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Box Camera Specifications (Part 1)

	GV-BX1500 Series		GV-BX2500 Series		GV-BX2600
	GV-BX1500- 8F	GV-BX1500-3V	GV-BX2500 -8F	GV-BX2500-3V	
	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	
					
Camera					
Image Sensor	1/3" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS		
Picture Elements	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		
Minimum Illumination	Color	0.01 Lux		0.02 Lux	
	B/W	0.01 Lux		0.02 Lux	
	IR ON	0 Lux			
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)				
White Balance	Auto, Manual (2800K ~ 8500K)				
Gain Control	Automatic				
S/N Ratio	55 dB		52 dB		
WDR Pro (with WDR Sensor)	N/A		N/A		Yes
Dynamic Range	Up to 72 dB				Up to 110 dB
Operation					
Video Compression	H.264, MJPEG				
Video Streaming	Dual streams				
Frame Rate	30 fps at 1280 x 1024		30 fps at 1920 x 1080		60 fps at 1920 x 1080
Audio Compression	G.711, AAC (optional)				G.711
Audio Support	Two-way Audio				
Sensor Input	1 input (Dry Contact)				
Alarm Output	1 Digital Output (200mA 5V DC)				
Optical Lens					
Megapixel	Yes				
Day/Night	Yes (with removable IR-cut filter)				
Lens Type	Fixed	Varifocal Lens	Fixed	Varifocal Lens	
Focal Length	2.8 mm	3 ~ 10.5 mm	2.8 mm	3 ~ 10.5 mm	
Maximum Aperture	F/1.8	F/1.4	F/1.8	F/1.4	
Mount	CS Mount				
Image Format	1/2.5"	1/2.7"	1/2.5"	1/2.7"	
Horizontal FOV	90°	81° ~ 29°	107°	96° ~ 34°	
Operation	Focus	Manual w/lock			
	Zoom	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)
	Iris	Fixed	P-Iris	Fixed	P-Iris DC Drive
Mechanical					
Temperature Detector	Yes				
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14") *built-in mic is not available for GV-BX2600			
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1"			
	Auto Iris	Not functional	Yes	Not functional	Yes
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
	TV-Out	BNC connector (640 x 480 resolution)			
LED Indicator	Mini USB	GV-WiFi Adapter or USB hard drive			
		2 LEDs: Power, Status			
General					
Environment Temperature	0°C ~ 50°C (32 °F ~ 122 °F)				
Humidity	10% to 90% (no condensation)				
Power Source	12V DC / PoE (IEEE 802.3af Class 3)				
Max. Power Consumption	9.5 W	6.27 W	7.99 W	6.42 W	7.5 W
Regulatory	CE, FCC, RCM, RoHS compliant				CE, RCM, FCC, LVD, RoHS compliant
Dimensions (Without lens)	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")				105 x 75 x 54 mm (4.13" x 2.95" x 2.13")
Weight	300 g (0.66 lb)				321 g (0.71 lb)
Note:	<ol style="list-style-type: none"> The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes). The TV-Out function only works under 640 x 480 resolution. For TV-Out to work properly, set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x 480. Memory card slot (local storage) is not supported in Argentina. Mind the following limitations and requirements for the mini USB port: <ul style="list-style-type: none"> The USB hard drive must be of 2.5" or 3.5", version 2.0 or above The USB hard drive's storage capacity must not exceed 2TB USB flash drives and USB hubs are not supported External power supply is required for the USB hard drive To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on. Product design and specifications are subject to change without notice. 				





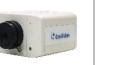




Box Camera Specifications (Part 2)

		GV-BX2400 Series				GV-BX3400 Series				GV-BX5300 Series		GV-BX5300 Series	
		GV-BX2400-0F/1F /2F		GV-BX2400-3V~4V		GV-BX3400-8F		GV-BX3400-3V		GV-BX5300-8F		GV-BX5300-6V	
		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens	
													
Camera													
Image Sensor		1/3.2" progressive scan CMOS								1/2.5" progressive scan CMOS			
Picture Elements		1920 (H) x 1080 (V)				2048 (H) x 1536 (V)				2560 (H) x 1920 (V)			
Minimum Illumination	Color	0.08 Lux								0.15 Lux			
	B/W	0.05 Lux								0.10 Lux			
	IR ON	0 Lux											
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)								Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)								Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic											
S/N Ratio		47 dB								45 dB			
WDR Pro (with WDR Sensor)		Yes								N/A			
Dynamic Range		Up to 100 dB								Up to 72 dB			
Operation													
Video Compression		H.264, MJPEG								H.264, MJPEG			
Video Streaming		Dual streams								Dual Stream			
Frame Rate		30 fps at 1920 x 1080				20 fps at 2048 x 1536 30 fps at 1920 x 1080				10 fps at 2560 x 1920			
Audio Compression		G.711, AAC (optional)								G.711, AAC (optional)			
Audio Support		Two-way Audio											
Sensor Input		1 input (Dry Contact)											
Alarm Output		1 Digital Output (200mA 5V DC)											
Optical Lens													
Megapixel		Yes											
Day/Night		Yes (with removable IR-cut filter)											
Lens Type		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens		Fixed Lens		Varifocal Lens	
Focal Length		BX2400-0F	4 mm	BX2400-3V	2.8 ~ 12 mm	2.8 mm		3 ~ 10.5 mm		2.8 mm		3.3 ~ 10.5 mm	
		BX2400-1F	8 mm	BX2400-4V	3 ~ 10.5 mm								
		BX2400-2F	12 mm	BX2400-4V	3 ~ 10.5 mm								
Maximum Aperture		BX2400-0F	F/1.5	BX2400-3V	F/1.4	F/1.8		F/1.4		F/1.8		F/1.4	
		BX2400-1F	F/1.6	BX2400-4V	F/1.4								
		BX2400-2F	F/1.6	BX2400-4V	F/1.4								
Mount		CS Mount											
Image Format		BX2400-0F	1/3"	BX2400-3V		1/2.5"		1/2.7"		1/2.5"		1/2.5"	
		BX2400-1F	1/2.5"	BX2400-4V	1/2.7"								
		BX2400-2F	1/2.5"	BX2400-4V	1/2.7"								
Horizontal FOV		BX2400-1F	32°	BX2400-3V	77° ~ 28°	88°		78° ~ 28°		112°		84° ~ 35°	
		BX2400-2F	21°	BX2400-4V	73° ~ 27°								
Operation		Focus		Manual w/lock									
		Zoom		Fixed		Manual (w/lock)		Fixed		Manual (w/lock)		Manual (w/lock)	
		Iris		Fixed		DC drive		Fixed		P-Iris		P-Iris	
Mechanical													
Temperature Detector		Yes											
Power		2-pin terminal block, PoE											
Ethernet		Ethernet (10/100 Base-T), RJ-45 connector								Ethernet (10/100/1000 Base-T), RJ-45 Connector			
Audio		1 In (built-in or external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")											
Digital I/O		3-pin terminal block, pitch 2.5 mm / 0.1"											
Auto Iris		Not functional		Yes		Not functional		Yes		Not functional		Yes (with varifocal lens)	
Local Storage		Micro SD card slot (SDHC/SDXC/UHS-I, Class 10)								Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.			
TV-Out		BNC connector (640 x 480 resolution)								BNC connector (640 x 480 resolution)			
Mini USB		GV-WiFi Adapter or USB hard drive								GV-WiFi Adapter or USB hard drive			
LED Indicator		2 LEDs: Power, Status								2 LEDs: Power, Status			
General													
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)											
Humidity		10% to 90% (no condensation)											
Power Source		12V DC / PoE (IEEE 802.3af Class 3)								12V DC / 24V AC / PoE (IEEE 802.3af)			
Max. Power Consumption		9.5 W				9.5 W		7.12 W		9.5 W		6.77 W	
Regulatory		CE, FCC, RCM, RoHS compliant								CE, FCC, RCM, RoHS compliant			
Dimensions (L X W X H)		75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13") without lens								75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")			
Weight		300 g (0.66 lb)								321 g (0.71 lb)		300 g (0.66 lb)	
Note:													
1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).													
2. The TV-Out function only works under 640 x 480 resolution. For TV-Out to work properly, set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640x 480.													
3. Memory card slot (local storage) is not supported in Argentina.													
4. Product design and specifications are subject to change without notice.													



Box Camera Specifications (Part 3)




	GV-BX2700 Series		GV-BX4700 Series		GV-BX5700 Series		GV-BX12201	
	GV-BX2700-8F	GV-BX2700-3V	GV-BX4700-8F	GV-BX4700-3V	GV-BX5700-8F	GV-BX5700-3V		
	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens		
								
Camera								
Image Sensor	1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS		1/1.8" progressive scan low lux CMOS		1/1.7" progressive scan CMOS	
Picture Elements	1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		2592 (H) x 1944 (V)		4000 (H) x 3000 (V)	
Minimum Illumination	Color	0.005 Lux	0.03 Lux	0.03 Lux	0.04 Lux	0.03 Lux	0.1 Lux	
	B/W	0.004 Lux	0.02 Lux	0.02 Lux	0.03 Lux	0.03 Lux	0.05 Lux	
	IR ON	0 Lux						
Shutter Speed	Automatic, Manual (1/5 ~ 1/16000 sec)		Automatic, Manual (1/5 ~ 1/16000 sec)		Automatic, Manual (1/5 ~ 1/6000 sec)		Automatic, Manual (1/30 ~ 1/16000 sec)	
White Balance	Automatic, Manual (2800 ~ 8500K)		Automatic, Manual (2800 ~ 8500K)		Automatic, Manual (2800 ~ 8500K)		Automatic, Manual (2800 ~ 8500K)	
Gain Control	Automatic							
S/N Ratio	56 dB		50 dB		50 dB		52 dB	
WDR Pro (with WDR sensor)	Yes		Yes		N/A		N/A	
Dynamic Range	130 dB		Up to 120 dB		Up to 72 dB			
Operation								
Video Compression	H.265, H.264, MJPEG						H.264, MJPEG	
Video Streaming	Triple streams from H.265, H.264 or MJPEG						Dual streams from H.264 or MJPEG	
Frame Rate	30 fps at 1920 x 1080		20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520		30 fps at 2592 x 1944		15 fps at 4000 x 3000, 30 fps at 3840 x 2160	
Audio Compression	G.711, AAC (optional)							
Audio Support	Two-way Audio							
Sensor Input	1 Input (Dry Contact)							
Alarm Output	1 Digital Output (200mA 5V DC)							
Optical Lens								
Megapixel	Yes							
Day/Night	Yes (with removable IR-cut filter)							
Lens Type	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Fixed Lens	Varifocal Lens	Varifocal Lens	
Focal Length	2.8 mm	3 ~ 10.5 mm	2.8 mm	3 ~ 10.5 mm	2.95 mm	3.6 ~ 10 mm	4.1 ~ 9 mm	
Maximum Aperture	F/1.8	F/1.4	F/1.8	F/1.4	F/2.0	F/1.5	F/1.6	
Mount	CS Mount							
Image Format	1/2.5"	1/2.7"	1/2.5"	1/2.7"	1/1.8"		1/1.8"	
Horizontal FOV	110°	100° ~ 35°	104°	78° ~ 31°	120°	90° ~ 40°	109° ~ 50°	
Operation	Focus	Manual (w/lock)						
	Zoom	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	Fixed	Manual (w/lock)	
	Iris	Fixed	P-Iris	Fixed	P-Iris	Fixed	P-Iris	DC drive
Mechanical								
Temperature Detector	Yes							
Connectors	Power	2-pin terminal block, PoE						
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector						Ethernet (10/100/1000 Base-T), RJ-45 Connector
	Audio	1 In (Using the built-in microphone or externally connecting a microphone)						1 Out (Stereo phone jack, 3.5 mm / 0.14 in)
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")						
	Auto Iris	Not functional	Yes (with varifocal lens)	Not functional	Yes (with varifocal lens)	Not functional	Yes (with varifocal lens)	Yes (with varifocal lens)
	Local Storage*	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10)						*UHS-II card type is not supported.
	TV-Out	BNC connector (640 x 480 resolution)						
Mini USB	GV-WiFi Adapter or USB hard drive							
LED Indicator	2 LEDs: Power, Status							
General								
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)							
Humidity	10% to 90% (no condensation)							
Power Source	12V DC / PoE (IEEE 802.3af)						12V DC / 24V AC / PoE (IEEE 802.3af)	
Max. Power Consumption	4.16 W		12V DC, 4.23 W		12V DC, 4.37 W		6 W	
Regulatory	CE, FCC, RCM, LVD, RoHS compliant						CE, FCC, RCM, RoHS compliant	
Dimensions	75.5 x 75 x 54 mm (2.97" x 2.95" x 2.13")						Without lens: 120 x 75.2 x 54 mm (4.72" x 2.96" x 2.13") With lens: 184.1 x 75.2 x 64.1 mm (7.25" x 2.96" x 2.52")	
Weight	320 g (0.7 lb)	350 g (0.77 lb)	330 g (0.72 lb)	350 g (0.77 lb)	330 g (0.72 lb)	350 g (0.77 lb)	545 g / 1.2 lb	

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Ultra Box Camera Specifications





		GV-UBX1301 Series		GV-UBX2301 Series		GV-UBX3301 Series	
							
Camera							
Image Sensor		1/2.5" progressive scan CMOS					
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.15 Lux					
	B/W	0.10 Lux					
	IR ON	0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		45 dB					
Dynamic Range		Up to 72 dB					
Operation							
Video Compression		H.264, MJPEG					
Video Streaming		Dual streams					
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2048 x 1536	
Audio Compression		G.711, AAC (optional)					
Audio Support		Two-way Audio					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Fixed					
Focal Length	GV-UBX1301-0F	2.8 mm		GV-UBX2301-0F	2.8 mm	GV-UBX3301-0F	2.8 mm
	GV-UBX1301-1F	4 mm		GV-UBX2301-1F	4 mm	GV-UBX3301-1F	4 mm
	GV-UBX1301-2F	8 mm		GV-UBX2301-2F	8 mm	GV-UBX3301-2F	8 mm
Maximum Aperture	GV-UBX1301-0F	F/2.0		GV-UBX2301-0F	F/2.0	GV-UBX3301-0F	F/2.0
	GV-UBX1301-1F	F/1.6		GV-UBX2301-1F	F/1.6	GV-UBX3301-1F	F/1.6
	GV-UBX1301-2F		GV-UBX2301-2F	GV-UBX3301-2F			
Mount		M12, Pitch 0.5 mm					
Image Format		1/3"					
Horizontal FOV	GV-UBX1301-0F	69°		GV-UBX2301-0F	79°	GV-UBX3301-0F	80°
	GV-UBX1301-1F	49°		GV-UBX2301-1F	58°	GV-UBX3301-1F	62°
	GV-UBX1301-2F	25°		GV-UBX2301-2F	31°	GV-UBX3301-2F	33°
Operation	Focus	Fixed					
	Zoom						
	Iris						
IR LED Quantity		4					
Max. IR Distance		10 m (32.81 ft)					
Mechanical							
Temperature Detector		Yes					
Connectors	Power	2-pin terminal block, PoE					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (built-in microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")					
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported					
LED Indicator		2 LEDs: Power, Status					
General							
Environment Temperature		0°C ~ 40°C (32°F ~ 104°F)					
Humidity		10% to 90% (no condensation)					
Power Source		5V DC / PoE (IEEE 802.3af)					
Max. Power Consumption		6.5 W					
Regulatory		CE, FCC, RCM, RoHS compliant					
Dimensions (L X W X H) (Without lens)		95 x 45 x 40 mm (3.7" x 1.8" x 1.6")					
Weight		120 g (0.26 lb)					

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



IR Arctic Box Camera Specifications (Part 1)




		GV-BX1500-E	GV-BX2400-E	GV-BX3400-E	GV-BX4700-E	
						
Camera						
Image Sensor		1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS		
Picture Elements		1280 (H) x 1024 (V)		2048 (H) x 1536 (V)		
Minimum Illumination	Color	0.01 Lux		0.08 Lux		
	B/W	0.01 Lux		0.05 Lux		
	IR ON			0 Lux		
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			Automatic, Manual (1/5 ~ 1/16000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		55 dB		47 dB		
WDR Pro (with WDR Sensor)		N/A		Yes		
Dynamic Range		Up to 72 dB		Up to 100 dB		
Operation						
Video Compression		H.264, MJPEG			H.265, H.264, MJPEG	
Video Streaming		Dual streams			Triple streams from H.265, H.264 or MJPEG	
Frame Rate		30 fps at 1280 x 1024		20 fps at 2048 x 1536		
Audio Compression		G.711, AAC (optional)				
Audio Support		Two-way Audio				
Sensor Input		N/A				
Alarm Output		N/A				
Optical Lens						
Megapixel		Yes				
Day/Night		Yes (with removable IR-cut filter)				
Lens Type		Varifocal Lens				
Focal Length		3 ~ 10.5 mm				
Maximum Aperture		F/1.4				
Mount		CS Mount				
Image Format		1/2.7"				
Horizontal FOV		81° ~ 29°		78° ~ 28°		
Operation	Focus	Manual (w/lock)				
	Zoom	Manual (w/lock)				
	Iris	P-Iris		P-Iris		
IR LED Quantity		4 IR LEDs				
Max. IR Distance		15 m (50 ft)			30 m (98.4 ft)	
Mechanical						
Camera	Pan	0° ~ 330°				
Angle	Tilt	0° ~ 90°				
Adjustment	Rotate	No				
Temperature	Detector	Yes				
	Power	PoE				
Connectors	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector				
	Audio	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")				
	Auto Iris	Yes (with varifocal lens)			P-Iris	
	Digital I/O	N/A				
	Local Storage	N/A				
	TV-Out	BNC connector (640 x 480 resolution)			BNC connector	
LED Indicator		2 LEDs: Power, Status			1 LED: Status	
General						
Environment	Start-up	-30 °C ~ 50 °C (-22°F ~ 122°F)				
	Operation	-40 °C ~ 50 °C (-40°F ~ 122°F)				
Humidity		10% to 90% (no condensation)				
Power Source		PoE (IEEE 802.3 at)				
Max. Power Consumption		20 W		23 W		
Regulatory		CE, FCC, RCM, RoHS compliant			CE, FCC, RCM, LVD, RoHS compliant	
Dimensions (L X W X H) (Without lens)		100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")				
Weight		3.2 Kg (7.1 lb)				
Ingress Protection		IP67				
Vandal Resistance		IK10 for metal casing				
Heater On		-40°C ~ 8°C (-40°F ~ 46.4°F)				
Fan		Constantly on				

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.









IR Arctic Box Camera Specifications (Part 2)

		GV-BX5300	GV-BX2510-E	GV-BX5310-E
				
Camera				
Image Sensor		1/2.5" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan super low lux CMOS
Picture Elements		2560 (H) x 1920 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.15 Lux	0.02 Lux	0.15 Lux
	B/W	0.10 Lux	0.02 Lux	0.10 Lux
	IR ON	0 L		
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)		
White Balance		Auto, Manual (2800K ~ 8500K)		
Gain Control		Automatic		
S/N Ratio		45 dB	52 dB	45 dB
WDR Pro (with WDR Sensor)		N/A		
Dynamic Range		Up to 72 dB		
Operation				
Video Compression		H.264, MJPEG		
Video Streaming		Dual streams		
Frame Rate		10 fps at 2560 x 1920	30 fps at 1920 x 1080	10 fps at 2560 x 1920
Audio Compression		G.711, AAC (optional)		
Audio Support		Two-way Audio		
Sensor Input		1 input (Dry Contact)		
Alarm Output		1 digital output (200mA 5V DC)		
Optical Lens				
Megapixel		Yes		
Day/Night		Yes (with removable IR-cut filter)		
Lens Type		Varifocal Lens	Motorized Varifocal Lens	
Focal Length		4.5 ~ 10 mm	3.7 ~ 9 mm	4.5 ~ 9 mm
Maximum Aperture		F/1.6	F/1.2	
Mount		CS Mount	Ø14 mm	
Image Format		1/2"	1/2.7"	
Horizontal FOV		70° ~ 34°	70° ~ 39°	
Operation	Focus	Manual (w/lock)	Auto focus	
	Zoom	Manual (w/lock)	2.4X optical zoom	2X optical zoom
	Iris	Manual (w/lock)		P-Iris
IR LED Quantity		4 IR LEDs		
Max. IR Distance		15 m (50 ft)	70 m (230 ft)	50 m (164 ft)
Mechanical				
Camera Angle Adjustment	Pan	0° ~ 330°		
	Tilt	0° ~ 90°		
Rotate		No		
Temperature Detector		Yes		
Connectors	Power	PoE	2-pin terminal block, PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (external microphone), 1 Out (Stereo phone jack, 3.5 mm / 0.14")		
	Auto Iris	Yes (with varifocal lens)		
	Digital I/O	N/A	I/O wires	
	Local Storage	N/A	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)	*SDXC and UHS-I card types are not supported
TV-Out		BNC connector (640 x 480 resolution)		
LED Indicator		2 LEDs: Power, Status		
General				
Environment Temperature	Start-up	-30 °C ~ 50 °C (-22°F ~ 122°F)		
	Operation	-30 °C ~ 50 °C (-22°F ~ 122°F)		
Humidity		10% to 90% (no condensation)		
Power Source		PoE (IEEE 802.3at)	DC 48V / High PoE (PoE++, 50 W)	
Max. Power Consumption		21.6 W	50 W	
Regulatory		CE, FCC, RCM, RoHS compliant		
Dimensions (L X W X H) (Without lens)	Camera Body	100.5 x 100.5 x 317.5 mm (3.96" x 3.96" x 12.5")		
	Cable Length	406 x 145 x 109.5 mm (16" x 5.7" x 4.3") 1 m (39.4")		
Weight		3.2 Kg (7.1 lb)	3.32 kg (7.32 lb)	
Ingress Protection		IP67		
Vandal Resistance		IK10 for metal casing		
Heater On		On: -40 °C ~ -4 °C (-40 °F ~ 24.8 °F); Off: -3 °C (26.6 °F)		
Fan		Constantly on		

- Note:**
- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
 - Memory card slot (local storage) is not supported in Argentina.
 - Product design and specifications are subject to change without notice.



Bullet Camera Specifications (Part 1)




	GV-BL1500	GV-BL2400	GV-BL2500	GV-BL3400	GV-BL3700	GV-BL5700	
							
Camera							
Image Sensor	1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/1.8" progressive scan CMOS	
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2592 (H) x 1944 (V)	
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux	0.01 Lux	0.04 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux	0.01 Lux	0.03 Lux
	IR ON	0 Lux					
Shutter Speed	Auto, Manual (1/5 ~ 1/8000sec)						
White Balance	Auto, Manual (2800K ~ 8500K)						
Gain Control	Automatic						
S/N Ratio	55 dB	47 dB	52 dB	47 dB	54 dB	50 dB	
WDR Pro (with WDR sensor)	N/A	Yes	N/A		Yes	N/A	
Dynamic Range	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 120 dB	Up to 72 dB	
Operation							
Video Compression	H.264, MJPEG			H.265, H.264, MJPEG			
Video Streaming	Dual streams			Triple streams			
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080		20 fps at 2048 x 1536	30 fps at 2048 x 1536	30 fps at 2592 x 1944	
Audio Compression	G.711, AAC (optional)						
Audio Support	Two-way Audio						
Sensor Input	1 input (Dry Contact)						
Alarm Output	1 digital output (200mA 5V DC)						
Optical Lens							
Megapixel	Yes						
Day/Night	Yes (with removable IR-cut filter)						
Lens Type	Varifocal Lens						
Focal Length	3 ~ 9 mm			2.8 ~ 12 mm		4 ~ 8 mm	
Maximum Aperture	F/1.2			F/1.7		F/1.65	
Mount	Ø14 mm						
Image Format	1/2.7"						
Horizontal FOV	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°	98° ~ 35°	88° ~ 51°	
Operation	Focus	Manual (w/lock)					
	Zoom	Manual (w/lock)					
	Iris	DC drive	DC drive	DC drive	DC drive	P-Iris	
IR LED Quantity	16 IR LEDs				12 IR LEDs		
Max. IR Distance	70 m (230 ft)	50 m (164 ft)			30 m (98.4 ft)		
Mechanical							
Camera	Pan	0° ~ 360°					
Angle	Tilt	90° ~ 180°					
Adjustment	Rotate	0° ~ 360°					
Temperature Detector	Yes						
Connectors	Power	2-pin terminal block, PoE			Terminal block for 12V DC, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (RCA female for microphone); 1 Out (RCA female for speaker)				1 In (terminal block for passive microphone) 1 Out (terminal block for speaker)	
	Digital I/O	I/O Wire			4-pin terminal block		
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported				Micro SD card slot (SD/SDHC/SDXC, Class 10) *UHS-II card type is not supported.	
General							
Environment Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F)				Start-up	-20°C ~ 50°C (-4 °F ~ 122 °F)	
					Operation	-30°C ~ 50°C (-22 °F ~ 122 °F)	
Humidity	10% to 90% (no condensation)						
Power Source	12V DC / 24V AC / PoE (IEEE 802.3af)				12V DC / PoE (IEEE 802.3af)		
Max. Power Consumption	7.68 W	7.2 W	8 W	7.2 W	12.6 W		
Regulatory	CE, FCC, RCM, RoHS compliant				CE, FCC, RCM, LVD, RoHS compliant		
Dimensions	Camera Body	277.5 x 87.75 x 148.95 mm (10.9" x 3.45" x 5.86")				215.3 x 91 x 94.4 mm (8.47" x 3.58" x 3.71")	
	Cable Length	1 m (3.28 ft)				N/A	
	Max. Cable Diameter	Ø 7.1 mm (0.28")				N/A	
	Max. Connector Diameter	Ø 25.2 mm (0.99")				N/A	
Weight	1.4 Kg (3.08 lb)	1.35 kg (2.98 lb)	1.4 Kg (3.08 lb)	1.35 kg (2.98 lb)	850 g (1.87 lb)		
Ingress Protection	IP67						
Vandal Resistance	IK10 for metal casing						

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Bullet Camera Specifications (Part 2)








		GV-BL1210	GV-BL3410	GV-BL5310
				
Camera				
Image Sensor		1/3" progressive scan low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.05 Lux	0.08 Lux	0.15 Lux
	B/W	0.03 Lux	0.05 Lux	0.10 Lux
	IR ON		0 Lux	
Shutter Speed			Auto, Manual (1/5 ~ 1/8000sec)	
White Balance			Auto, Manual (2800K ~ 8500K)	
Gain Control			Automatic	
S/N Ratio		50 dB	47 dB	45 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation				
Video Compression			H.264, MJPEG	
Video Streaming			Dual streams	
Frame Rate		30 fps at 1280 x 1024	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression			G.711, AAC (optional)	
Audio Support			Two-way Audio	
Sensor Input			1 input (Dry Contact)	
Alarm Output			1 digital output (200mA 5V DC)	
Optical Lens				
Megapixel			Yes	
Day/Night			Yes (with removable IR-cut filter)	
Lens Type			Motorized Varifocal Lens	
Focal Length		3 ~ 9 mm		4.5 ~ 9 mm
Maximum Aperture			F/1.2	
Mount			Ø14 mm	
Image Format			1/2.7"	
Horizontal FOV		86° ~ 32°	86° ~ 31°	70° ~ 39°
Operation	Focus		Auto Focus	
	Zoom	3X Optical Zoom		2X Optical Zoom
Iris			DC drive	
IR LED Quantity			16 IR LEDs	
Max. IR Distance		40 m (131 ft)	50 m (164 ft)	40 m (131 ft)
Mechanical				
Camera	Pan		0° ~ 360°	
Angle	Tilt		90° ~ 180°	
Adjustment	Rotate		0° ~ 360°	
Temperature Detector			Yes	
Connectors	Power		2-pin terminal block, PoE	
	Ethernet		Ethernet (10/100 Base-T), RJ-45 connector	
	Audio		1 In (RCA female for microphone) 1 Out (RCA female for speaker)	
	Digital I/O		I/O Wire	
	Local Storage*		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
General				
Environment Temperature			-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
Humidity			10% to 90% (no condensation)	
Power Source			12V DC / 24V AC / PoE (IEEE 802.3af)	
Max. Power Consumption		11.52 W		12.48 W
Regulatory			CE, FCC, RCM, RoHS compliant	
Dimensions	Camera Body	289.02 x 87.75 x 148.95 mm (11.4" x 3.45" x 5.86")		
	Cable Length	1 m (3.28 ft)		
	Max. Cable Diameter	Ø 7.1 mm (0.28")		
	Max. Connector Diameter	Ø 25.2 mm (0.99")		
Weight			1.4 Kg (3.08 lb)	
Ingress Protection			IP67	
Vandal Resistance			IK10 for metal casing	

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. **Memory card slot (local storage) is not supported in Argentina.**
3. Product design and specifications are subject to change without notice.



Bullet Camera Specifications (Part 3)







	GV-BL1501	GV-BL2501	GV-BL3401	GV-BL2702	GV-BL4702	GV-BL2511-E	GV-BL5311-E
							
Camera							
Image Sensor	1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1920 (H) x 1080 (V)	2592(H) x 1520 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.005 Lux	0.03 Lux	0.15 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.004 Lux	0.02 Lux	0.10 Lux
IR ON	0 Lux						
Shutter Speed	Auto, Manual (1/5 ~ 1/8000sec)			Automatic, Manual (1/5 ~ 1/16000 sec)		Auto, Manual (1/5 ~ 1/8000sec)	
White Balance	Auto, Manual (2800K ~ 8500K)						
Gain Control	Automatic						
S/N Ratio	55 dB	52 dB	47 dB	56 dB	50 dB	52 dB	45 dB
WDR Pro (with WDR sensor)	N/A	N/A	Yes	Yes	Yes	N/A	N/A
Dynamic Range	Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 130 dB	Up to 120 dB	Up to 72 dB	Up to 72 dB
Operation							
Video Compression	H.264, MJPEG			H.265, H.264, MJPEG		H.264, MJPEG	
Video Streaming	Dual streams			Triple streams		Dual streams	
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1920 x 1080	30 fps at 2048 x 1520	30 fps at 1920 x 1080	10 fps at 2560 x 1920
Audio Compression	G.711, AAC (optional)						
Audio Support	Two-way Audio						
Sensor Input	1 input (Dry Contact)						
Alarm Output	1 digital output (200mA 5V DC)						
Optical Lens							
Megapixel	Yes						
Day/Night	Yes (with removable IR-cut filter)						
Lens Type	Varifocal Lens				Motorized Varifocal Lens		
Focal Length	3 ~ 9 mm		GV-BL2702-3V		2.8 ~ 12 mm	3 ~ 9 mm	
			GV-BL2702-4V		6 ~ 50 mm		
			GV-BL2702-5V		9 ~ 22 mm		
Maximum Aperture	F/1.2		GV-BL2702-3V		F/1.7	F/1.2	
			GV-BL2702-4V		F/1.6		
			GV-BL2702-5V		F/2.0		
Mount	Ø14 mm						
Image Format	1/2.7"						
Horizontal FOV	90° ~ 32°	103° ~ 36°	86° ~ 31°	GV-BL2702-3V	110° ~ 38°	102° ~ 38°	103° ~ 36°
				GV-BL2702-4V	56° ~ 8°		
				GV-BL2702-5V	42° ~ 17°		
Operation	Focus	Manual (w/lock)				Auto Focus	
	Zoom	Manual (w/lock)				3X Optical Zoom	2X Optical Zoom
Iris	P-Iris						
IR LED Quantity	16 IR LEDs			5 IR LEDs		16 IR LEDs	
Max. IR Distance	70 m (230 ft)	50 m (164 ft)		60 m (196.85 ft)	50 m (164.04 ft)	50 m (164 ft)	40 m (131 ft)
Mechanical							
Camera Angle	Pan	0° ~ 360°					
	Tilt	90° ~ 180°					
Adjustment	Rotate	0° ~ 360°					
Temperature Detector	Yes						
Connectors	Power	2-pin terminal block, PoE				2-pin terminal block	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)					
	Digital I/O	3-pin terminal block					
Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)			Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)	
General							
Environment Temperature	Start-up	-30 °C ~ 50 °C (-22 °F ~ 122 °F)			-20 °C ~ 60 °C (-4 °F ~ 140 °F)	-20 °C ~ 60 °C (-4 °F ~ 140 °F)	-40 °C ~ 50 °C (-40 °F ~ 122 °F)
	Operation				-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)	
Humidity	10% to 90% (no condensation)						
Power Source	12V DC / 24V AC / PoE (IEEE802.3af)					12V DC / 24V AC	
Max. Power Consumption	7.68 W	8 W	7.2 W	12.3 W		34 W	33.2 W
Regulatory	CE, FCC, RCM, RoHS compliant						
Dimensions	340.4 x 87.75 x 120 mm (13.4" x 3.45" x 4.72")			Ø 121.8 x 406 mm (4.79" x 15.98")		355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")	
Weight	1.91 kg (4.21 lb)			2.04 kg (4.50 lb)	2.14 kg (4.72 lb)	1.96 kg (4.32 lb)	



Heater	N/A	On: -40°C ~ 30°C (-40 °F ~ 86°F); Off: 31°C (87.8°F)
Fan	NA	Constantly on
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal casing	



Bullet Camera Specifications (Part 4)







	GV-BL1511	GV-BL2511	GV-BL3411	GV-BL5311	GV-BL4713	GV-BL5713	
							
Camera							
Image Sensor	1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3" progressive scan super low lux CMOS	1/1.8" progressive scan low lux CMOS	
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	2592 (H) x 1520 (V)	2592 (H) x 1944 (V)	
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux	0.15 Lux	0.03 Lux	0.04 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux	0.10 Lux	0.02 Lux	0.03 Lux
	0 Lux						
Shutter Speed	Auto, Manual (1/5 ~ 1/8000sec)				Automatic, Manual (1/5 ~ 1/16000 sec)		
White Balance	Auto, Manual (2800K ~ 8500K)						
Gain Control	Automatic						
S/N Ratio	55 dB	52 dB	47 dB	45 dB	50 dB		
WDR Pro (with WDR sensor)	N/A	N/A	Yes	N/A	Yes	N/A	
Dynamic Range	Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 120 dB	Up to 72 dB	
Operation							
Video Compression	H.264, MJPEG				H.265, H.264, MJPEG		
Video Streaming	Dual streams				Triple streams		
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	30 fps at 2048 x 1520	30 fps at 2592 x 1944	
Audio Compression	G.711, AAC (optional)						
Audio Support	Two-way Audio						
Sensor Input	1 input (Dry Contact)						
Alarm Output	1 digital output (200mA 5V DC)						
Optical Lens							
Megapixel	Yes						
Day/Night	Yes (with removable IR-cut filter)						
Lens Type	Motorized Varifocal Lens						
Focal Length	3 ~ 9 mm			4.5 ~ 9 mm	2.8 ~ 12 mm	4 ~ 8 mm	
Maximum Aperture	F/1.2						
Mount	Ø14 mm						
Image Format	1/2.7"						
Horizontal FOV	90° ~ 32°	103° ~ 36°	86° ~ 31°	70° ~ 39°	102° ~ 38°	90° ~ 50°	
Operation	Focus	Auto Focus					
	Zoom	3X Optical Zoom		2X Optical Zoom	4.3X optical zoom	2X optical zoom	
	Iris	P-Iris					
IR LED Quantity	16 IR LEDs				5 IR LEDs		
Max. IR Distance	70 m (230 ft)	50 m (164 ft)		40 m (131 ft)	50 m (164.04 ft)		
Mechanical							
Camera	Pan	0° ~ 360°					
	Tilt	90° ~ 180°					
Adjustment	Rotate	0° ~ 360°					
	Detector	Yes					
Connectors	Power	2-pin terminal block, PoE					
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector					
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)					
	Digital I/O	3-pin terminal block					
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported				Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card type is not supported.	
General							
Environment Temperature	-20 °C ~ 50 °C (-4 °F ~ 122 °F)						
Humidity	10% to 90% (no condensation)						
Power Source	12V DC / 24V AC / PoE (IEEE802.3af)						
Max. Power Consumption	13.8 W	13.4 W		12.48 W	12.9 W	13 W	
Regulatory	CE, FCC, RCM, RoHS compliant						
Dimensions	355.4 x 87.75 x 120 mm (14" x 3.45" x 4.72")				ø128.64 x 406 mm (5.06" x 15.98")		
Weight	1.96 Kg (4.32 lb)				2.44 kg (5.38 lb)		
Ingress Protection	IP67						
Vandal Resistance	IK10 for metal casing						

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Ultra Bullet Camera Specifications








	GV-UBL1211	GV-UBL2411	GV-UBL3411	GV-UBL1301 Series	GV-UBL2401 Series	GV-UBL3401 Series			
									
Camera									
Image Sensor	1/3" progressive scan low lux CMOS	1/3.2" progressive scan CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS				
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)			
Minimum Illumination	Color	0.05 Lux	0.08 Lux	0.08 Lux	0.08 Lux				
	B/W	0.03 Lux	0.05 Lux	0.05 Lux	0.05 Lux				
	IR ON	0 Lux							
Shutter Speed	Auto, Manual (1/5 ~ 1/8000sec)								
White Balance	Auto, Manual (2800K ~ 8500K)								
Gain Control	Automatic								
S/N Ratio	50 dB	47 dB	47 dB	45 dB	47 dB				
WDR Pro (with WDR sensor)	N/A	Yes	Yes	N/A	Yes				
Dynamic Range	Up to 72 dB	Up to 100 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB				
Operation									
Video Compression	H.264, MJPEG								
Video Streaming	Dual streams								
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536			
Audio Support	No								
Sensor Input	1 input (Dry Contact)								
Alarm Output	1 digital output (200mA 5V DC)								
Optical Lens									
Megapixel	Yes								
Day/Night	Yes (with removable IR-cut filter)								
Lens Type	Motorized Varifocal Lens			Fixed Lens					
Focal Length	3~9 mm			GV-UBL1301-0F	2.8 mm	GV-UBL2401-0F	2.8 mm	GV-UBL3401-0F	2.8 mm
				GV-UBL1301-1F	4 mm	GV-UBL2401-1F	4 mm	GV-UBL3401-1F	4 mm
				GV-UBL1301-2F	8 mm	GV-UBL2401-2F	8 mm	GV-UBL3401-2F	8 mm
				GV-UBL1301-3F	12 mm	GV-UBL2401-3F	12 mm	GV-UBL3401-3F	12 mm
Maximum Aperture	F/1.2			GV-UBL1301-0F	F/2.0	GV-UBL2401-0F	F/2.0	GV-UBL3401-0F	F/2.0
				GV-UBL1301-1F	F/1.5	GV-UBL2401-1F	F/1.5	GV-UBL3401-1F	F/1.5
				GV-UBL1301-2F	F/1.6	GV-UBL2401-2F	F/1.6	GV-UBL3401-2F	F/1.6
				GV-UBL1301-3F	F/1.6	GV-UBL2401-3F	F/1.6	GV-UBL3401-3F	F/1.6
Mount	Ø14 mm			M12					
Image Format	1/2.7"			1/3"					
Horizontal FOV	86° ~ 32°	82° ~ 30°	86° ~ 31°	GV-UBL1301-0F	69°	GV-UBL2401-0F	79°	GV-UBL3401-0F	80°
				GV-UBL1301-1F	49°	GV-UBL2401-1F	58°	GV-UBL3401-1F	62°
				GV-UBL1301-2F	25°	GV-UBL2401-2F	31°	GV-UBL3401-2F	33°
				GV-UBL1301-3F	16°	GV-UBL2401-3F	20°	GV-UBL3401-3F	21°
Operation	Focus	Auto Focus			Fixed				
	Zoom	3X Optical Zoom							
	Iris	DC Drive							
IR LED Quantity	4 IR LEDs								
Max. IR Distance	10 m (32.81 ft)								
Mechanical									
Temperature Detector	Yes								
Connectors	Power	2-pin terminal block, PoE							
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector (Waterproof or smaller-sized Non-Waterproof)							
	Audio	N/A							
	Digital I/O	I/O Wire							
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported							
General									
Environment Temperature	-10 °C ~ 45 °C (14 °F ~ 113 °F)			Start-up	-20 °C ~ 45 °C (-4 °F ~ 113 °F)	-20 °C ~ 45 °C (-4 °F ~ 113 °F)			
				Operation	-30 °C ~ 45 °C (-22 °F ~ 113 °F)				
Humidity	10% to 90% (no condensation)								
Power Source	5V DC / PoE (IEEE 802.3af)								
Max. Power Consumption	6.94 W			5.52W					
Regulatory	CE, FCC, RCM, RoHS compliant								
Dimensions	148.75 x 65 x 69 mm (5.9" x 2.6" x 2.7")			124 x 65 x 69 mm (4.9" x 2.6" x 2.7")					
Weight	850 g (1.9 lb)			730 g (1.6 lb)					
Ingress Protection	IP67								
Vandal Resistance	IK10 for metal casing								

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Vandal Proof Dome Specifications (Part 1)





	(IK10+, Transparent Cover) - GV-VD120D - GV-VD121D (IK7, Transparent Cover) - GV-VD122D - GV-VD123D	(IK10+, Transparent Cover) GV-VD220D GV-VD221D (IK7, Transparent Cover) - GV-VD222D - GV-VD223D	(IK10+, Transparent Cover) - GV-VD320D - GV-VD321D (IK7, Transparent Cover) - GV-VD322D - GV-VD323D	GV-VD1500 (IK10+, Transparent Cover)	GV-VD2400 (IK10+, Transparent Cover)	GV-VD2500 (IK10+, Transparent Cover)	GV-VD3400 (IK10+, Transparent Cover)	
								
Camera								
Image Sensor	1/3" progressive scan low lux CMOS	1/2.5" progressive scan CMOS		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	
Minimum Illumination	Color	0.05 Lux		0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux	
	B/W	0.03 Lux		0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux	
	IR ON	0 Lux						
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)							
White Balance	Auto, Manual (2800K ~ 8500K)							
Gain Control	Automatic							
S/N Ratio	50 dB	45 dB		55 dB	47 dB	52 dB	47 dB	
WDR Pro (with WDR sensor)	N/A				Yes	N/A	Yes	
Dynamic Range	Up to 72 dB				Up to 100 dB	Up to 72 dB	Up to 100 dB	
Operation								
Video Compression	H.264, MJPEG							
Video Streaming	Dual streams							
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	30 fps at 1280 x 1024	30 fps at 1920 x 1080		20 fps at 2048 x 1536	
Audio Compression	G.711, AAC (optional)							
Audio Support	Two-way Audio							
Sensor Input	1 Input (Dry Contact)							
Alarm Output	1 Digital output (200mA 5V DC)							
Optical Lens								
Megapixel	Yes							
Day/Night	Yes (with removable IR-cut filter)							
Lens Type	Varifocal Lens							
Focal Length	3 ~ 9 mm							
Maximum Aperture	F/1.3			F/1.2				
Mount	Ø14 mm							
Image Format	1/3"							
Horizontal FOV	86° ~ 32°	82° ~ 30°	86° ~ 31°	90° ~ 32°	82° ~ 30°	103° ~ 36°	86° ~ 31°	
Operation	Focus	Manual (w/lock)						
	Zoom	Manual (w/lock)						
	Iris	DC drive						
IR LED Quantity	10 IR LEDs							
Max. IR Distance	15 m (50 ft)				30 m (98.4 ft)			
Mechanical								
Camera	Pan	0° ~ 350°						
Angle	Tilt	10° ~ 90°						
Adjustment	Rotate	0° ~ 340°						
3-axis Mechanism	Yes							
Temperature Detector	Yes							
Connectors	Power	2-pin terminal block, PoE						
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector						
	Audio	1 In (RCA female for microphone), 1 Out (RCA female for speaker)						
	Digital I/O	I/O Wire						
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported						
TV-Out	BNC connector (640 x 480 resolution)							
LED Indicator	2 LEDs: Power, Status							
General								
Environment Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F)							
Humidity	10% to 90% (no condensation)							
Power Source	12V DC / 24V AC / PoE (IEEE 802.3af)							
Max. Power Consumption	12 W							
Regulatory	CE, FCC, RCM, RoHS compliant							
Dimensions	Camera Body	Ø 165 x 125 mm (6.49" x 4.92")						
	Cable Length	1 m (3.28 ft)						
	Cable Diameter	Ø 16.7 mm (0.66")						
	Max. Connector Diameter	Ø 16.7 mm (0.66")						
Weight	1.7 kg (3.75 lb)							
Ingress Protection	IP67							

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Vandal Proof Dome Specifications (Part 2)






		GV-VD1530	GV-VD2430	GV-VD2530	GV-VD3430
					
Camera					
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		55 dB	47 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 100 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1920 x 1080	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)			
Audio Support		Two-way Audio			
Sensor Input		1 Input (Dry Contact)			
Alarm Output		1 Output (200mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal Lens			
Focal Length		3 ~ 9 mm			
Maximum Aperture		F/1.2			
Mount		Ø14 mm			
Image Format		1/2.7"			
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	82° ~ 30°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	DC drive			
IR LED Quantity		6 IR High Power LEDs			
Max. IR Distance		30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	20 m (65.6 ft)
Mechanical					
Camera	Pan	-90° ~ 90°			
Angle	Tilt	0° ~ 85°			
Adjustment	Rotate	0° ~ 350°			
3-axis Mechanism		Yes			
Temperature Detector		Yes			
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)			
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")			
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
LED Indicator		BNC connector (640 x 480 resolution)			
LED Indicator	General	2 LEDs: Power, Status			
Environment	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			
Temperature	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / 24V AC / PoE (IEEE 802.3at)			
Max. Power Consumption		15.4 W			
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimensions		Ø176.5 x 118 mm (6.9" x 4.6")			
Weight		1.76 kg (3.88 lb)			
Ingress Protection		IP67			
Vandal Resistance		IK10+			

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
- Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- Memory card slot (local storage) is not supported in Argentina.**
- Product design and specifications are subject to change without notice.









Vandal Proof Dome Specifications (Part 3)

	GV-VD3700	GV-VD5700	GV-VD2702	GV-VD4702	GV-VD8700
					
Camera					
Image Sensor	1/2.8" progressive scan super low lux CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/2.5" progressive scan low lux CMOS
Picture Elements	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)	1920 (H) x 1080 (V)	2592 (H) x 1520 (V)	3840 (H) x 2160 (V)
Minimum Illumination	Color	0.01 Lux	0.04 Lux	0.005 Lux	0.03 Lux
	B/W	0.01 Lux	0.03 Lux	0.004 Lux	0.02 Lux
			0 Lux		
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)		Auto, Manual (1/5 ~ 1/16000 sec)	Auto, Manual (1/5 ~ 1/8000 sec)	Automatic, Manual (1/30 ~ 1/8000 sec)
White Balance	Auto, Manual (2800K ~ 8500K)				
Gain Control	Automatic				
S/N Ratio	54 dB	50 dB	56 dB	50 dB	
WDR Pro (with WDR sensor)	Yes	N/A	Yes		N/A
Dynamic Range	Up to 120 dB	Up to 72 dB	Up to 130 dB	Up to 120 dB	Up to 72 dB
Operation					
Video Compression	H.265, H.264, MJPEG				H.265, H.264
Video Streaming	Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG Stream 3 from H.265, H.264 or MJPEG				Stream 1 from H.265 or H.264 Stream 2 from H.264 Stream 3 from H.264
Frame Rate	30 fps at 2048 x 1536		30 fps at 1920 x 1080	20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520	30 fps at 3840 x 2160 (50 / 60 Hz)
Audio Compression	G.711, AAC (optional)				
Audio Support	Two-way Audio				One-way Audio
Sensor Input	1 Input (Dry Contact)				
Alarm Output	1 Output (200mA 5V DC)				
Optical Lens					
Megapixel	Yes				
Day/Night	Yes (with removable IR-cut filter)				
Lens Type	Varifocal Lens				
Focal Length	2.8 ~ 12 mm	4 ~ 8 mm	2.8 ~ 12 mm		3.3 ~ 12 mm
Maximum Aperture	F/1.7	F/1.65	F/1.7		F/1.4
Mount	Ø14 mm				
Image Format	1/2.7"	1/1.8"	1/2.7"		1/2.5"
Horizontal FOV	98° ~ 35°	88° ~ 51°	110° ~ 38°	102° ~ 36°	106° ~ 42°
Operation	Focus	Manual (w/lock)			
	Zoom	Manual (w/lock)			
	Iris	P-Iris			
IR LED Quantity	12 IR LEDs		4 IR LEDs		20 IR LEDs
Max. IR Distance	30 m (98.4 ft)				40 m (131.23 ft)
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 360°		0° ~ 350°	
	Tilt	90° ~ 180°		0° ~ 75°	
	Rotate	0° ~ 355°		0° ~ 340°	
3-axis Mechanism	Yes				
Temperature Detector	Yes				
Connectors	Power	Terminal block for 12V DC, PoE		2-pin terminal block (DC 12V, 3A), PoE	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector			
	Audio	1 In (terminal block for passive microphone) 1 Out (terminal block for speaker)		1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)	
	Digital I/O	4-pin terminal block		I/O wires	
	Local Storage*	Micro SD card slot (SD/SDHC/SDXC, Class 10) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
TV-Out	N/A		BNC connector (640 x 480 resolution)		N/A
LED Indicator	N/A		2 LEDs: Power, Status		
General					
Environment Temperature	Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)		-20 °C ~ 60 °C (-4 °F ~ 140 °F)	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
	Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)		-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-30 °C ~ 50 °C (-22 °F ~ 122 °F)
Humidity	10% ~ 90% (no condensation)				
Power Source	12V DC / PoE (IEEE 802.3af)				
Max. Power Consumption	12.6 W		8.64 W		11.04 W
Regulatory	CE, FCC, RCM, LVD, RoHS compliant				
Dimensions	ø 150.3 x 105.5 mm (5.92" x 4.15")		ø160 x 108.4 mm (6.2" x 4.27")		
Weight	800 g (1.76 lb)		1.15 kg (2.54 lb)		1.2 kg (2.64 lb)
Ingress Protection	IP67				IP66
Vandal Resistance	IK10				



Vandal Proof Dome Specifications (Part 4)






		GV-VD1540	GV-VD2440	GV-VD2540	GV-VD2712	GV-VD4712	GV-VD3440
							
Camera							
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2592 (H) x 1520 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.005 Lux	0.03 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.004 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux					
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)			Auto, Manual (1/5 ~ 1/16000 sec)		Auto, Manual (1/5 ~ 1/8000 sec)
White Balance		Auto, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		55 dB	47 dB	52 dB	56 dB	50 dB	47 dB
WDR Pro (with WDR sensor)		N/A	Yes	N/A	Yes		
Dynamic Range		Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 130 dB	Up to 120 dB	Up to 100 dB
Operation							
Video Compression		H.264, MJPEG			H.265, H.264, MJPEG		H.264, MJPEG
Video Streaming		Dual streams			Triple streams		Dual streams
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080			30 fps at 2048 x 1520	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)					
Audio Support		Two-way Audio					
Sensor Input		1 Input (Dry Contact)					
Alarm Output		1 Output (200mA 5V DC)					
Optical Lens							
Megapixel		Yes					
Day/Night		Yes (with removable IR-cut filter)					
Lens Type		Motorized Varifocal Lens					
Focal Length		3 ~ 9 mm			2.8 ~ 12 mm		3 ~ 9 mm
Maximum Aperture		F/1.2			F/1.2	F/1.4	F/1.2
Mount		Ø14 mm					
Image Format		1/2.7"					
Horizontal FOV		90° ~ 32°	82° ~ 30°	103° ~ 36°	110° ~ 38°	90° ~ 35°	86° ~ 31°
Focus		Auto Focus					
Operation Zoom		3x Optical Zoom			4.3x optical zoom		3x Optical Zoom
Iris		DC drive			P-Iris		DC drive
High Power LED		6 IR LEDs			4 IR LEDs		6 IR LEDs
Max. IR Distance		30 m (98.4 ft)	20 m (65.6 ft)	25 m (82.0 ft)	30 m (98.4 ft)		20 m (65.6 ft)
Mechanical							
Camera Pan		-90° ~ 90°			0° ~ 350°		-90° ~ 90°
Angle Tilt		0° ~ 85°			0° ~ 75°		0° ~ 85°
Adjustment Rotate		0° ~ 350°			0° ~ 340°		0° ~ 350°
3-axis Mechanism		Yes					
Temperature Detector		Yes					
Power		2-pin terminal block, PoE					
Ethernet		Ethernet (10/100 Base-T), RJ-45 connector					
Audio		1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)					
Digital I/O		3-pin terminal block, pitch 2.5 mm (0.1")			I/O wires		3-pin terminal block, pitch 2.5 mm (0.1")
Local Storage*		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported
TV-Out		BNC connector					
LED Indicator		2 LEDs: Power, Status					
General							
Environment Temperature		-20 °C ~ 50 °C (-4 °F ~ 122 °F)			-20 °C ~ 60 °C (-4 °F ~ 140 °F)		-20 °C ~ 50 °C (-4 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)					
Power Source		12V DC / 24V AC / PoE (IEEE 802.3af)			12V DC / PoE (IEEE 802.3af)		12V DC / 24V AC / PoE (IEEE 802.3af)
Max. Power Consumption		22.48 W			8.64 W	8.16 W	22.48 W
Regulatory		CE, FCC, RCM, RoHS compliant			CE, FCC, RCM, LVD, RoHS compliant		CE, FCC, RCM, RoHS compliant
Dimensions		Ø176.5 x 118 mm (6.9" x 4.6")			Ø160 x 108.4 mm (6.2" x 4.27")		Ø176.5 x 118 mm (6.9" x 4.6")
Weight		1.83 kg (4.03 lb)			1.15 kg (2.54 lb)		1.83 kg (4.03 lb)
Ingress Protection		IP67					
Vandal Resistance		IK10+			IK10		IK10+

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Vandal Proof Dome Specifications (Part 5)





	GV-VD5340	GV-VD4711	GV-VD5711	GV-VD2540-E	GV-VD5340-E	
						
Camera						
Image Sensor	1/2.5" progressive scan CMOS	1/3" progressive scan super low lux CMOS	1/1.8" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/2.5" progressive scan CMOS	
Picture Elements	2560 (H) x 1920 (V)	2592 (H) x 1520 (V)	2592 (H) x 1944 (V)	1920 (H) x 1080 (V)	2560 (H) x 1920 (V)	
Minimum Illumination	Color	0.15 Lux	0.03 Lux	0.04 Lux	0.02 Lux	0.15 Lux
	B/W	0.10 Lux	0.02 Lux	0.03 Lux	0.02 Lux	0.10 Lux
	0 Lux					
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance	Auto, Manual (2800K ~ 8500K)					
Gain Control	Automatic					
S/N Ratio	45 dB	50 dB	46 dB	52 dB	45 dB	
WDR	Yes	WDR Pro	Yes	Yes		
Dynamic Range	Up to 72 dB	Up to 120 dB	Up to 72 dB	Up to 72 dB		
Operation						
Video Compression	H.264, MJPEG	H.265, H.264, MJPEG		H.264, MJPEG		
Video Streaming	Dual streams	Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG Stream 3 from H.265, H.264 or MJPEG		Dual streams		
Frame Rate	10 fps at 2560 x 1920	20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520	30 fps at 2592 x 1944	30 fps at 1920 x 1080	10 fps at 2560 x 1920	
Audio Compression	G.711, AAC (optional)	G.711, AAC (optional)				
Audio Support	Two-way Audio					
Sensor Input	1 Input (Dry Contact)					
Alarm Output	1 Output (200mA 5V DC)					
Optical Lens						
Megapixel	Yes					
Day/Night	Yes (with removable IR-cut filter)					
Lens Type	Motorized Varifocal Lens					
Focal Length	3.3 ~ 9 mm	2.8 ~ 12 mm	4 ~ 8 mm	3 ~ 9 mm	3.3 ~ 9 mm	
Maximum Aperture	F/1.2	F/1.7	F/1.65	F/1.2		
Mount	Ø14 mm					
Image Format	1/2.7"	1/2.7"	1/1.8"	1/2.7"		
Horizontal FOV	100° ~ 39°	95° ~ 36°	90° ~ 48°	103° ~ 36°	100° ~ 39°	
Focus	Auto Focus					
Zoom	3x Optical Zoom	4.3x Optical Zoom	2x Optical zoom	3x Optical Zoom		
Iris	DC drive	P-Iris		DC drive		
High Power LED	6 IR LEDs					
Max. IR Distance	20 m (65.6 ft)	30 m (100 ft.)		25 m (82.0 ft)	20 m (65.6 ft)	
Mechanical						
Camera Angle	Pan	-90° ~ 90°				
Adjustment	Tilt	0° ~ 85°				
3-axis Mechanism	Rotate	0° ~ 350°				
Temperature Detector	Yes					
Power	2-pin terminal block, PoE					
Ethernet	Ethernet (10/100 Base-T), RJ-45 connector	Ethernet (10/100 Base-T), RJ-45 cable		Ethernet (10/100 Base-T), RJ-45 connector		
Audio	1 In (3.5 mm phone jack for microphone), 1 Out (3.5 mm phone jack for speaker)					
Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")					
Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported		
TV-Out	BNC connector (640 x 480 resolution)	BNC connector (D1 solution)		BNC connector (640 x 480 resolution)		
LED Indicator	2 LEDs: Power, Status					
General						
Environment Temperature	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			-40 °C ~ 50 °C (-40 °F ~ 122 °F)		
Heat On	N/A	N/A		On (0°C / 32°F), Off (1°C / 33.8°F)		
Fan	N/A					
Humidity	10% to 90% (no condensation)					
Power Source	12V DC / 24V AC / PoE (IEEE 802.3at)					
Max. Power Consumption	22.48 W	25.5 W		30 W		
Regulatory	CE, FCC, RCM, RoHS compliant					
Dimensions	Ø176.5 x 118 mm (6.9" x 4.6")					
Weight	1.83 kg (4.03 lb)					
Ingress Protection	IP67					
Vandal Resistance	IK10+					

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Fixed Dome Specifications (Part 1)




	GV-FD1500	GV-FD2500	GV-FD3400	GV-FD5300
				
Camera				
Image Sensor	1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux
	0 Lux			
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)			
White Balance	Auto, Manual (2800K ~ 8500K)			
Gain Control	Automatic			
S/N Ratio	55 dB	52 dB	47 dB	45 dB
WDR Pro (with WDR sensor)	N/A	N/A	Yes	N/A
Dynamic Range	Up to 72 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation				
Video Compression	H.264, MJPEG			
Video Streaming	Dual streams			
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920
Audio Compression	G.711, AAC (optional)			
Audio Support	Two-way Audio			
Sensor Input	1 Input (Dry Contact)			
Alarm Output	1 Digital output (200mA 5V DC)			
Optical Lens				
Megapixel	Yes			
Day/Night	Yes (with removable IR-cut filter)			
Lens Type	Varifocal Lens			
Focal Length	3 ~ 9 mm			4.5 ~ 10 mm
Maximum Aperture	F/1.2			F/1.6
Mount	Ø14 mm			CS Mount
Image Format	1/2.7"			1/2.5"
Horizontal FOV	90° ~ 32°	103° ~ 36°	86° ~ 31°	70° ~ 34°
Operation	Focus	Manual (w/lock)		
	Zoom	Manual (w/lock)		
	Iris	P-Iris	P-Iris	Manual (w/lock)
IR LED Quantity	10 IR LEDs			
Max. IR Distance	30 m (98.4 ft)		25 m (82 ft)	
Mechanical				
Camera	Pan	0° ~ 350°		
Angle	Tilt	10° ~ 90°		
Adjustment	Rotate	0° ~ 340°		
3-axis Mechanism	Yes			
Temperature Detector	Yes			
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (microphone phone jack, 3.5mm / 0.14") 1 Out (Stereo phone jack, 3.5mm / 0.14")		
	Digital I/O	3-pin terminal block, pitch 2.5 mm		
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported		
LED Indicator	2 LEDs: Power, Status			
General				
Environment Temperature	0 °C ~ 50 °C / 32 °F ~ 122 °F			
Humidity	10% to 90% (no condensation)			
Power Source	12V DC / 24V AC / PoE (IEEE 802.3af)			
Max. Power Consumption	12W			
Regulatory	CE, FCC, RCM, RoHS compliant			
Dimension	Ø 155 x 110 mm (6.1" x 4.33")			
Weight	580 g (1.28 lb)			
Vandal Resistance	IK7			

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Fixed Dome Specifications (Part 2)







		GV-FD1510	GV-FD2510	GV-FD3410
				
Camera				
Image Sensor		1/3" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.02 Lux	0.05 Lux
	IR ON		0 Lux	
Shutter Speed			Auto, Manual (1/5 ~ 1/8000 sec)	
White Balance			Auto, Manual (2800K ~ 8500K)	
Gain Control			Automatic	
S/N Ratio		55 dB	52 dB	47 dB
WDR Pro (with WDR sensor)		N/A	N/A	Yes
Dynamic Range		Up to 72 dB	Up to 72 dB	Up to 100 dB
Operation				
Video Compression			H.264, MJPEG	
Video Streaming			Dual streams	
Frame Rate		30 fps at 1280 x 1024	30 fps at 1920 x 1080	20 fps at 2048 x 1536
Audio Compression			G.711, AAC (optional)	
Audio Support			Two-way Audio	
Sensor Input			1 Input (Dry Contact)	
Alarm Output			1 Digital output (200mA 5V DC)	
Optical Lens				
Megapixel			Yes	
Day/Night			Yes (with removable IR-cut filter)	
Lens Type			Motorized Varifocal Lens	
Focal Length			3 ~ 9 mm	
Maximum Aperture			F/1.2	
Mount			Ø14 mm	
Image Format			1/2.7"	
Horizontal FOV		90° ~ 32°	103° ~ 36°	86° ~ 31°
Operation	Focus		Auto Focus	
	Zoom		3X Optical Zoom	
	Iris	P-Iris	P-Iris	P-Iris
IR LED Quantity			10 IR LEDs	
Max. IR Distance			30 m (98.4 ft)	
Mechanical				
Camera Angle Adjustment	Pan		0° ~ 350°	
	Tilt		10° ~ 90°	
	Rotate		0° ~ 340°	
3-axis Mechanism			Yes	
Temperature Detector			Yes	
Connectors	Power		2-pin terminal block, PoE	
	Ethernet		Ethernet (10/100 Base-T), RJ-45 connector	
	Audio		1 In (microphone phone jack, 3.5mm / 0.14") 1 Out (Stereo phone jack, 3.5mm / 0.14")	
	Digital I/O		3-pin terminal block, pitch 2.5 mm	
	Local Storage*		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported	
TV-Out			BNC connector (640 x 480 resolution)	
LED Indicator			2 LEDs: Power, Status	
General				
Environment Temperature			0 °C ~ 50 °C / 32 °F ~ 122 °F	
Humidity			10% to 90% (no condensation)	
Power Source			12V DC / 24V AC / PoE (IEEE 802.3af)	
Max. Power Consumption			12W	
Regulatory			CE, FCC, RCM, RoHS compliant	
Dimension			Ø 155 x 110 mm (6.1" x 4.33")	
Weight			580 g (1.28 lb)	
Vandal Resistance			IK7	

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- The TV-Out function only works in 640 x 480 resolution. For TV-Out to work properly, you must set the video resolution to 1280 x 1024 or lower. If both streams are enabled, the Sub Stream must be set to 640 x 480.
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Cube Camera and Advanced Cube Camera Specifications






	Cube Camera		Advanced Cube Camera			
	GV-CB120	GV-CB220	GV-CA120	GV-CA220	GV-CAW120	GV-CAW220
						
Camera						
Image Sensor	1/2.5" progressive scan CMOS					
Picture Elements	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)
Minimum Illumination	Color	0.15 Lux				
	B/W	0.10 Lux				
	IR ON	N/A				
	White Illumination LED	N/A		0 Lux		
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)					
White Balance	Auto, Manual (2800K ~ 8500K)					
Gain Control	Automatic					
S/N Ratio	45 dB					
Dynamic Range	Up to 72 dB					
Operation						
Video Compression	H.264, MJPEG					
Video Streaming	Dual streams					
Frame Rate	30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1280 x 1024	30 fps at 1920 x 1080	30 fps at 1280 x 1024	30 fps at 1920 x 1080
Audio Compression	G.711, AAC (optional)					
Audio Support	Two-way Audio					
Optical Lens						
Megapixel	Yes					
Day/Night	Yes (electronic)					
Lens Type	Fixed Lens					
Focal Length	3.35 mm					
Maximum Aperture	F/2.4					
Mount	M12 mm					
Image Format	1/3"					
Horizontal FOV	67°	77°	67°	77°	67°	77°
Operation	Focus	Fixed				
	Zoom	Fixed				
	Iris	Fixed				
Mechanical						
Connectors	Power	DC Jack		DC Jack / PoE (IEEE 802.3af Class 3, only for GV-CA120/220)		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector				
	Audio	Built-in microphone and speaker				
	Local Storage*	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported				
LED Indicator	2 LEDs: Status, LAN		4 LEDs: Status x 3, LAN/WiFi			
PIR Sensor	N/A		Built-in			
White Illumination LED	N/A		Yes			
Max. PIR / White Illumination LED Distance	N/A		5 m (16.4 ft)			
General						
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)					
Humidity	10% to 90% (no condensation)					
Power Source	5V DC		5V DC and PoE		5V DC	
Max. Power Consumption	3.2 W		7 W		6 W	
Regulatory	CE, FCC, RCM, RoHS compliant					
Dimensions (LxWxH)	60 x 84.8 x 39 mm (2.36" x 3.34" x 1.54")			65.8 x 99.8 x 39 mm (2.59" x 3.92" x 1.54")		
Weight	80 g (0.18 lb)			100 g (0.2 lb)		

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. For GV-CAW120 / CAW220, the signal range and data throughput may vary depending on the network conditions and environmental factors.
3. **Memory card slot (local storage) is not supported in Argentina.**
4. Product design and specifications are subject to change without notice.



Mini Fixed Dome Specifications



		GV-MFD1501 Series		GV-MFD2401 Series		GV-MFD2501 Series		GV-MFD3401 Series		GV-MFD5301 Series			
													
Camera													
Image Sensor		1/3" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS		1/2.8" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS		1/2.5" progressive scan CMOS			
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)		2560 (H) x 1920 (V)			
Minimum Illumination	Color	0.01 Lux		0.08 Lux		0.02 Lux		0.08 Lux		0.15 Lux			
	B/W	0.01 Lux		0.05 Lux		0.02 Lux		0.05 Lux		0.10 Lux			
Shutter Speed		N/A											
White Balance		Auto, Manual (1/5 ~ 1/8000 sec)											
Gain Control		Automatic											
S/N Ratio		55 dB				52 dB				55 dB			
WDR Pro (with WDR Sensor)		N/A		Yes		N/A		Yes		N/A			
Dynamic Range		Up to 72 dB		Up to 100 dB		Up to 72 dB		Up to 100 dB		Up to 72 dB			
Operation													
Video Compression		H.264, MJPEG											
Video Streaming		Dual streams											
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080				20 fps at 2048 x 1536		10 fps at 2560 x 1920			
Audio Compression		G.711, AAC (optional)											
Audio Support		Two-way Audio											
Optical Lens													
Megapixel		Yes											
Day/Night		Yes (electronic)											
Lens Type		Fixed Lens											
Focal Length	MFD1501-0F	2.8 mm	MFD2401-0F	2.8 mm	MFD2501-0F	2.8 mm	MFD3401-0F	2.8 mm	MFD5301-0F	2.8 mm			
	MFD1501-1F	4 mm	MFD2401-2F	8 mm	MFD2501-1F	4 mm	MFD3401-2F	8 mm	MFD5301-2F	8 mm			
	MFD1501-2F	8 mm	MFD2401-3F	12 mm	MFD2501-2F	8 mm	MFD3401-3F	12 mm	MFD5301-3F	12 mm			
	MFD1501-3F	12 mm	MFD2401-4F	2.1 mm	MFD2501-3F	12 mm	MFD3401-5F	3.8 mm	MFD5301-5F	3.8 mm			
	MFD1501-4F	2.1 mm	MFD2401-5F	3.8 mm	MFD2501-5F	3.8 mm	MFD3401-6F	2.3 mm	MFD5301-5F	3.8 mm			
MFD1501-5F	3.8 mm	MFD2501-6F			2.3 mm								
Maximum Aperture	MFD1501-0F	F/2.0	MFD2401-0F	F/2.0	MFD2501-0F	F/2.0	MFD3401-0F	F/2.0	MFD5301-0F	F/2.0			
	MFD1501-1F	F/1.5	MFD2401-2F	F/1.6	MFD2501-1F	F/1.5	MFD3401-2F	F/1.6	MFD5301-2F	F/1.6			
	MFD1501-2F	F/1.6	MFD2401-3F	F/1.6	MFD2501-2F	F/1.6	MFD3401-3F	F/1.6	MFD5301-3F	F/1.6			
	MFD1501-3F	F/1.6	MFD2401-4F	F/1.8	MFD2501-3F	F/1.6	MFD3401-5F	F/1.8	MFD5301-5F	F/1.8			
	MFD1501-4F	F/1.8	MFD2401-5F	F/1.8	MFD2501-5F	F/1.8	MFD3401-6F	F/2.2					
MFD1501-5F	F/1.8	MFD2501-6F			F/2.2								
Mount		M12, Pitch 0.5 mm											
Image Format		1/3"											
Horizontal FOV	MFD1501-0F	87°	MFD2401-0F	79°	MFD2501-0F	99°	MFD3401-0F	80°	MFD5301-0F	103°			
	MFD1501-1F	67°	MFD2401-2F	31°	MFD2501-1F	72°	MFD3401-2F	33°	MFD5301-2F	41°			
	MFD1501-2F	35°	MFD2401-3F	20°	MFD2501-2F	38°	MFD3401-3F	21°	MFD5301-3F	26°			
	MFD1501-3F	22°	MFD2401-4F	112°	MFD2501-3F	25°	MFD3401-5F	63°	MFD5301-5F	76°			
	MFD1501-4F	124°	MFD2401-5F	60°	MFD2501-5F	72°	MFD3401-6F	105°					
MFD1501-5F	64°	MFD2501-6F			122°								
Operation		Focus		Zoom		Iris		Fixed					
Mechanical													
Camera Angle		-45° ~ 45°											
Adjustment		0° ~ 90°											
Temperature Detector		Yes											
Connectors		PoE, 2-pin terminal block											
		Ethernet (10/100 Base-T), RJ-45 connector											
		1 In (Built-in microphone), 1 Out (RCA female for speaker)											
		GV-WiFi adapter or USB hard drive											
		Micro SD card slot (SD/SDHC, version 2.0 only, Class 10)											
		*SDXC and UHS-I card types are not supported											
LED Indicator		4 LEDs: Link, ACT, Power, Status											
General													
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)											
Humidity		10% to 90% (no condensation)											
Power Source		DC 5V, PoE (IEEE 802.3af)											
Max. Power Consumption		6 W											
Regulatory		CE, FCC, RCM, RoHS compliant											
Dimensions		ø106 x 53.9 mm (4.2" x 2.1")											
Weight		280 g (0.62 lb)											

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Mini Fixed Dome Specifications







		GV-MFD2700 Series		GV-MFD4700 Series	
					
Camera					
Image Sensor		1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS	
Picture Elements		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)	
Minimum Illumination	Color	0.005 Lux		0.03 Lux	
	B/W	0.004 Lux		0.02 Lux	
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/16000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		56 dB		50 dB	
WDR Pro (with WDR sensor)		Yes			
Dynamic Range		Up to 130 dB		Up to 120 dB	
Operation					
Video Compression		H.265, H.264, MJPEG			
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG Stream 3 from H.265, H.264 or MJPEG			
Frame Rate		50 Hz: 25 fps at 1920 x 1080 60 Hz: 30 fps at 1920 x 1080		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520	
Audio Compression		G.711, AAC (optional)			
Audio Support		Two-way audio			
Sensor Input		1 input (dry contact)			
Alarm Output		1 digital output (200 mA 5V DC)			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Fixed			
Focal Length	MFD2700-0F	2.8 mm		MFD4700-0F	2.8 mm
	MFD2700-2F	3.8 mm		MFD4700-2F	3.8 mm
	MFD2700-6F	2.3 mm		MFD4700-6F	2.3 mm
Maximum Aperture	MFD2700-0F	F/2.0		MFD4700-0F	F/2.0
	MFD2700-2F	F/1.8		MFD4700-2F	F/1.8
	MFD2700-6F	F/2.2		MFD4700-6F	F/2.2
Mount		M12, Pitch 0.5 mm			
Image Format		1/2.7"			
Horizontal FOV	MFD2700-0F	100°		MFD4700-0F	96°
	MFD2700-2F	72°		MFD4700-2F	72°
	MFD2700-6F	140°		MFD4700-6F	129°
Operation	Focus	Fixed			
	Zoom	Fixed			
	Iris	Fixed			
IR LED Quantity		4 IR LEDs			
Max. IR Distance		20 m (65.6 ft)			
Mechanical					
Camera	Pan	-45° ~ 45°			
Angle	Tilt	0° ~ 70°			
Adjustment	Rotate	0° ~ 360°			
3-axis Mechanism		Yes			
Temperature Detector		Yes			
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable			
	Audio	1 In (built-in or external microphone) 1 Out (stereo phone jack, 3.5 mm / 0.14")			
	Digital I/O	I/O wires			
	Local Storage*	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.			
TV-Out		N/A			
LED Indicator		2 LEDs: Power, Status			
General					
Environment Temperature		0 °C ~ 50 °C / 32 °F ~ 122 °F			
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / PoE (IEEE 802.3af)			
Max. Power Consumption		12V DC, 6.5W		12V DC, 7.5W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			
Dimension		110 x 72.83 mm (4.33" x 2.86")			
Weight		200 g (0.44 lb)			
Vandal Resistance		N/A			

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Mini Fixed Rugged Dome Specifications





	GV-MDR220	GV-MDR320	GV-MDR520	GV-MDR1500 Series	GV-MDR3400 Series	GV-MDR5300 Series			
									
Camera									
Image Sensor	1/2.5" progressive scan CMOS			1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS				
Picture Elements	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	1280 (H) x 1024 (V)	2048 (H) x 1536 (V)				
Minimum Illumination	Color		0.15 Lux	0.01 Lux	0.08 Lux				
	B/W		0.10 Lux	0.01 Lux	0.05 Lux				
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)								
White Balance	Auto, Manual (2800K ~ 8500K)								
Gain Control	Automatic								
S/N Ratio	45 dB			55 dB	47 dB	45 dB			
WDR Pro (with WDR sensor)	N/A			N/A	Yes	N/A			
Dynamic Range	Up to 72 dB			Up to 72 dB	Up to 100 dB	Up to 72 dB			
Operation									
Video Compression	H.264, MJPEG								
Video Streaming	Dual streams								
Frame Rate	30 fps at 1920 x 1080	20 fps at 2048 x 1536	10 fps at 2560 x 1920	30 fps at 1280 x 1024	20 fps at 2048 x 1536	10 fps at 2560 x 1920			
Audio Compression	G.711, AAC (optional)								
Audio Support	One-way Audio								
Optical Lens									
Megapixel	Yes								
Day/Night	Yes (electronic)								
Lens Type	Fixed Lens								
Focal Length	2.54 mm			MDR1500-1F	2.8 mm	MDR3400-1F	2.8 mm	MDR5300-1F	2.8 mm
				MDR1500-2F	3.8 mm	MDR3400-2F	3.8 mm	MDR5300-2F	3.8 mm
				MDR1500-1F	F/2.0	MDR3400-1F	F/2.0	MDR5300-1F	F/2.0
Maximum Aperture	F/2.8			MDR1500-2F	F/1.8	MDR3400-2F	F/1.8	MDR5300-2F	F/1.8
Mount	M12, Pitch 0.5 mm								
Image Format	1/2.5"								
Horizontal FOV	101°	110°	138°	MDR1500-1F	88°	MDR3400-1F	85°	MDR5300-1F	104°
				MDR1500-2F	64°	MDR3400-2F	63°	MDR5300-2F	76°
Operation	Focus								
	Zoom	Fixed							
	Iris								
Mechanical									
Camera Angle Adjustment	Pan	-45° ~ 45°							
	Tilt	0° ~ 90°							
	Rotate	0° ~ 360°							
Temperature Detector	Yes								
Connectors	Power	PoE							
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector							
	Audio	built-in microphone							
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported							
LED Indicator	3 LEDs: Link, Power, Status								
General									
Environment Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F)								
Humidity	10% to 90% (no condensation)								
Power Source	PoE								
Max. Power Consumption	3.4 W		3.6 W	3.47 W		4.28 W	3.81 W		
Regulatory	CE, FCC, RCM, RoHS compliant								
Dimensions	Camera Body	ø 115 x 59.2 mm (4.5" x 2.3")							
	Cable Length	1.054 m (41.5")							
	Cable Diameter	ø 6.2 mm (0.24")							
	Connector Diameter	Max. ø 30 mm (1.18")		M12: ø 14.7 mm (0.58") Waterproof: ø 27 mm (1.06") Non-waterproof (Smaller) : 16.8 x 13.8 mm (0.66" x 0.54")					
Weight	568g (1.3 lb)								
Ingress Protection	IP67								
Vandal Resistance	IK10 for metal casing								

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Target Series Specifications (Part 1)





		GV-EBX1100 Series		GV-EBX2100 Series		GV-EBL1100 Series		GV-EBL2100 Series	
									
Camera									
Image Sensor		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.05 Lux		0.07 Lux	
	B/W	0.03 Lux		0.04 Lux		0.03 Lux		0.04 Lux	
	IR ON	0 Lux							
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)							
White Balance		Auto, Manual (2800K ~ 8500K)							
Gain Control		Automatic							
S/N Ratio		50 dB		48 dB		50 dB		48 dB	
Dynamic Range		Up to 72 dB							
Operation									
Video Compression		H.264, MJPEG							
Video Streaming		Dual streams							
Frame Rate		30 fps at 1280 x 1024		25 fps at 1920 x 1080		30 fps at 1920 x 1080			
Audio Compression		G.711, AAC (optional)				N/A			
Audio Support		One-way Audio				N/A			
Optical Lens									
Megapixel		Yes							
Day/Night		Yes (with removable IR-cut filter)							
Lens Type		Fixed							
Focal Length	GV-EBX1100-0F	2.8 mm	GV-EBX2100-0F	2.8 mm	GV-EBL1100-1F	6 mm	GV-EBL2100-1F	6 mm	
	GV-EBX1100-2F	3.8 mm	GV-EBX2100-2F	3.8 mm	GV-EBL1100-2F	3.8 mm	GV-EBL2100-2F	3.8 mm	
Maximum Aperture	GV-EBX1100-0F	F/2.0	GV-EBX2100-0F	F/2.0	GV-EBL1100-1F	F/1.8	GV-EBL2100-1F	F/1.8	
	GV-EBX1100-2F	F/1.8	GV-EBX2100-2F	F/1.8	GV-EBL1100-2F		GV-EBL2100-2F		
Mount		M12, Pitch 0.5 mm							
Image Format		1/2.7"							
Horizontal FOV	GV-EBX1100-0F	93°	GV-EBX2100-0F	99°	GV-EBL1100-1F	44°	GV-EBL2100-1F	51°	
	GV-EBX1100-2F	64°	GV-EBX2100-2F	72°	GV-EBL1100-2F	64°	GV-EBL2100-2F	72°	
Operation	Focus	Fixed							
	Zoom	Fixed							
	Iris	Fixed							
IR LED Quantity		8 IR LEDs				24 IR LEDs			
Max. IR Distance		15 m (50 ft)				30 m (98.4 ft)			
Mechanical									
Connectors	Power	2-pin terminal block, PoE							
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable							
	Audio	1 In (built-in microphone)				N/A			
LED Indicator		2 LEDs: Power, Status				4 LEDs: Link, ACT, Power, Status * Inside camera, not visible from outside			
General									
Environment Temperature	Startup	0°C ~ 50°C (32°F ~ 122°F)				-20°C ~ 50°C (-4°F ~ 122°F)			
	Operation					-30°C ~ 50°C (-22°F ~ 122°F)			
Humidity		10% to 90% (no condensation)							
Power Source		12V DC / PoE (IEEE 802.3af)							
Max. Power Consumption		5.36 W				7.8 W			
Regulatory		CE, FCC, RCM, RoHS compliant							
Dimensions (L X W X H)		95 x 45 x 40 mm (3.7" x 1.8" x 1.6")				115 x 76 x 73 mm (4.5" x 3.0" x 2.9")			
Weight		120 g (0.26 lb)				547 g (1.20 lb)			
Ingress Protection		N/A				IP67			
Vandal Resistance		N/A				IK10 for metal casing			

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. Product design and specifications are subject to change without notice.



Target Series Specifications (Part 2)



		GV-EBL2101	GV-EBL2111	GV-EBL3101	GV-EBL5101
					
Camera					
Image Sensor		1/2.8" progressive scan super low lux CMOS			1/3.2" progressive scan low lux CMOS
Picture Elements		1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	2592 (H) x 1944 (V)
Minimum Illumination	Color	0.005 Lux		0.01 Lux	0.12 Lux
	B/W	0.004 Lux		0.01 Lux	0.10 Lux
	IR ON	0 Lux			
Shutter Speed		Auto, Manual (1/30 ~ 1/16000 sec)			Automatic, manual (1/5 ~ 1/8000 sec)
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		56 dB		54 dB	46 dB
WDR		Yes		WDR Pro	Yes
Dynamic Range		Up to 72 dB		Up to 120 dB	Up to 72 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual streams			
Frame Rate		30 fps at 1920 x 1080		30 fps at 2048 x 1536	30 fps at 2592 x 1944 (60/50 Hz)
Audio Support		N/A			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Lens Type		Varifocal	Motorized varifocal		Varifocal
Focal Length		3 ~ 9 mm		2.8 ~ 12 mm	
Maximum Aperture		F/1.7			
Mount		Ø14 mm			
Image Format		1/2.7"			
Horizontal FOV		102° ~ 40°		96° ~ 36°	90° ~ 48°
Operation	Focus	Manual (w/lock)	Auto Focus		Manual (w/lock)
	Zoom	Manual (w/lock)	4.3x Optical Zoom		Manual (w/lock)
	Iris	P-Iris			
IR LED Quantity		24 IR LEDs			
Max. IR Distance		75 m (246.06 ft)		60 m (196.85 ft)	30 m (98.42 ft)
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 360°			
	Tilt	90° ~ 180°			
Connectors	Power	2-pin terminal block, PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable			
	Audio	N/A			
	Local Storage	N/A			
LED Indicator		4 LEDs: Link, ACT, Power, Status			2 LEDs: Power, Status
General					
Environment Temperature	Startup	-20°C ~ 50°C (-4°F ~ 122°F)		-20°C ~ 50°C (-4°F ~ 122°F)	
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)		-20°C ~ 60°C (-4°F ~ 140°F)	
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / PoE (IEEE 802.3af)			
Max. Power Consumption		7.1 W	12.3 W	8.2 W	9.5 W
Regulatory		CE, FCC, RCM, RoHS compliant			CE, FCC, RCM, LVD, RoHS compliant
Dimensions (L X W X H)		142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")			
Weight		810 g (1.79 lb)			
Ingress Protection		IP67			
Vandal Resistance		IK10 for metal casing			

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. Product design and specifications are subject to change without notice.



Target Series Specifications (Part 3)



		GV-EBL4702 Series		GV-EBL2702 Series		GV-EBL4711		
								
Camera								
Image Sensor		1/3" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS		1/3" progressive scan super low lux CMOS		
Picture Elements		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		
Minimum Illumination	Color	0.03 Lux		0.005 Lux		0.03 Lux		
	B/W	0.02 Lux		0.004 Lux		0.02 Lux		
Shutter Speed		Automatic, manual (1/5 ~ 1/16000 sec)						
White Balance		Auto, Manual (2800K ~ 8500K)						
Gain Control		Automatic						
S/N Ratio		50 dB		56 dB		50 dB		
WDR		WDR Pro						
Dynamic Range		Up to 120 dB		Up to 130 dB		Up to 120 dB		
Operation								
Video Compression		H.265, H.264, MJPEG						
Video Streaming		Triple streams		Dual streams		Triple streams		
Frame Rate		30 fps at 2048 x 1520		30 fps at 1920 x 1080		30 fps at 2048 x 1520		
Audio Support		N/A						
Optical Lens								
Megapixel		Yes						
Day/Night		Yes (with removable IR-cut filter)						
Lens Type		Fixed				Motorized varifocal		
Focal Length	GV-EBL4702-1F / EBL2702-1F		6 mm		2.7 ~ 12 mm			
	GV-EBL4702-2F / EBL2702-2F		3.8 mm					
	GV-EBL4702-3F / EBL2702-3F		2.8 mm					
Maximum Aperture	GV-EBL4702-1F / EBL2702-1F		F/2.0		F/1.6			
	GV-EBL4702-2F / EBL2702-2F		F/1.8					
	GV-EBL4702-3F / EBL2702-3F		F/2.0					
Mount		Ø12 mm		M12, Pitch 0.5 mm		Ø14 mm		
Image Format		1/2.7"						
Horizontal FOV	GV-EBL4702-1F		51°		GV-EBL2702-1F		52°	
	GV-EBL4702-2F		72°		GV-EBL2702-2F		73°	
	GV-EBL4702-3F		100°		GV-EBL2702-3F		96°	
Operation	Focus	Fixed				Auto		
	Zoom					4.4x optical zoom		
	Iris					P-Iris		
IR LED Quantity		6 IR LEDs						
Max. IR Distance		30 m (98.4 ft)		60 m (197 ft)		30 m (98.42 ft)		
Mechanical								
Camera Angle Adjustment	Pan	0° ~ 360°						
	Tilt	90° ~ 180°						
Connectors	Power	2-pin terminal block, PoE						
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable						
	Audio	N/A						
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II /SDXC card type is not supported.		Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.		
LED Indicator		2 LEDs: Power, Status						
General								
Environment Temperature	Startup	-20°C ~ 50°C (-4°F ~ 122°F)		-20 °C ~ 60 °C (-4 °F ~ 140 °F)		-20°C ~ 50°C (-4°F ~ 122°F)		
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)		-30 °C ~ 60 °C (-22 °F ~ 140 °F)				
Humidity		10% to 90% (no condensation)						
Power Source		12V DC / PoE (IEEE 802.3af)						
Max. Power Consumption		9.12 W		9.10 W		13.12 W		
Regulatory		CE, FCC, RCM, LVD, RoHS compliant						
Dimensions (L X W X H)		129.54 x 80 x 102.75 mm (5.1" x 3.15" x 4.05")				144.14 x 77.72 x 102.75 mm (5.67" x 3.06" x 4.05")		
Weight		825 g (1.81 lb)		809 g (1.78 lb)		880 g (1.94 lb)		
Ingress Protection		IP67						
Vandal Resistance		IK10 for metal casing						

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. Product design and specifications are subject to change without notice.



Target Series Specifications (Part 4)




		GV-ABL2701 Series		GV-ABL4701 Series		GV-ABL2702		GV-ABL4712		GV-ABL8712	
											
Camera											
Image Sensor		1/2.7" progressive scan low lux CMOS		1/3" progressive scan low lux CMOS		1/2.9" progressive scan low lux CMOS		1/3" progressive scan low lux CMOS		1/2" progressive scan super low lux CMOS	
Picture Elements		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		3840 (H) x 2160 (V)	
Minimum Illumination	Color	0.02 Lux				0.002 Lux		0.01 Lux		0.003 Lux	
	B/W					N/A					
	IR ON					0 Lux					
Shutter Speed		Auto / Manual (1/6 ~ 1/100000 sec)									
White Balance		Auto / Manual									
Gain Control		Auto / Manual									
S/N Ratio		52 dB									
WDR		Yes						WDR Pro			
Dynamic Range		Up to 72 dB						Up to 120 dB			
Operation											
Video Compression		H.265, H.264, MJPEG									
Video Streaming		Triple streams									
Frame Rate		25 fps at 1920 x 1080		20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080		20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520		15 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440	
Audio Support		N/A						Two-way Audio			
Optical Lens											
Megapixel		Yes									
Day/Night		Yes (with removable IR-cut filter)									
Lens Type		Fixed				Varifocal		Motorized varifocal			
Focal Length		4 mm / 6 mm		4 mm / 6 mm		4 mm / 6 mm		4 mm / 6 mm		2.8~12 mm	
Maximum Aperture		4 mm / 6 mm		F/1.8		4 mm / 6 mm		F/1.8		F/1.4	
Mount		M12									
Image Format		4 mm / 6 mm		1/2.7"		4 mm / 6 mm		1/3"		1/2"	
Horizontal FOV		4 mm		90°		4 mm		78°			
		6 mm		55°		6 mm		49°		92° ~ 34°	
Operation		Focus		Fixed				Manual (with lock)		Auto / Manual	
		Zoom		Fixed				Manual (with lock)		4.3x optical zoom	
		Iris								Fixed	
IR LED Quantity		1 IR LED				3 IR LEDs		2 IR LEDs		3 IR LEDs	
Max. IR Distance		30 m (98.42 ft)				50 m (164 ft)		30 m (98.42 ft)		50 m (164 ft)	
Mechanical											
Camera Angle Adjustment		Pan		N/A				Fixed			
		Tilt		N/A				Fixed			
		Rotate		N/A				Fixed			
Connectors		Power		DC Jack, PoE							
		Ethernet		Ethernet (10/100 Base-T), RJ-45 cable							
		Audio		N/A				1 in (Audio In Wire) 1 out (Audio Out Wire)			
		Digital I/O		N/A				4-pin terminal block pitch 3.5 mm (0.14")			
		Local Storage		N/A				Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card types are not supported.			
TV Out		N/A				N/A				BNC Connector	
General											
Environment Temperature		Startup		-30°C ~ 60°C (-22°F ~ 140°F)				-35°C ~ 60°C (-22°F ~ 140°F)			
		Operation									
Humidity						0% ~ 95% (no condensation)					
Power Source						12V DC / PoE (IEEE 802.3af)					
Max. Power Consumption		5 W		5.5 W		9 W		9 W		10 W	
Regulatory		FCC, UL, CE, RoHS compliant									
Dimensions (L X W X H)		162.9 × 62.4 × 62.7 mm (6.4" × 2.5" × 2.5")				253.4 × 86 × 71.1 mm (9.98" × 3.4" × 2.8")					
Weight		0.25 kg (0.55 lb)				0.58 kg (1.28 lb)					
Ingress Protection		IP66				IP67					
Vandal Resistance		N/A				IK10					

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. Product design and specifications are subject to change without notice.



Target Series Specifications (Part 5)





		GV-EFD1100 Series		GV-EFD2100 Series		GV-EFD4700 Series		GV-EFD2700 Series	
									
Camera									
Image Sensor		1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS		1/3" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS	
Picture Elements		1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.03 Lux		0.005 Lux	
	B/W	0.03 Lux		0.04 Lux		0.02 Lux		0.004 Lux	
						0 Lux			
Shutter Speed		Auto, Manual (1/5 ~ 1/8000 sec)						Automatic, manual (1/5 ~ 1/16000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)							
Gain Control		Automatic							
S/N Ratio		50 dB		48 dB		50 dB		56 dB	
WDR		Yes		Yes		WDR Pro			
Dynamic Range		Up to 72 dB				Up to 120 dB		Up to 130 dB	
Operation									
Video Compression		H.264, MJPEG				H.265, H.264, MJPEG			
Video Streaming		Dual streams				Triple streams from H.265, H.264 or MJPEG		Dual streams from H.265, H.264 or MJPEG	
Frame Rate		30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080	
Audio Compression		G.711, AAC (optional)							
Audio Support		One-way Audio							
Optical Lens									
Megapixel		Yes							
Day/Night		Yes (with removable IR-cut filter)							
Lens Type		Fixed							
Focal Length	GV-EFD1100-0F	2.8 mm	GV-EFD2100-0F	2.8 mm	GV-EFD4700-0F / EFD2700-0F	2.8 mm			
	GV-EFD1100-2F	3.8 mm	GV-EFD2100-2F	3.8 mm	GV-EFD4700-2F / EFD2700-2F	3.8 mm			
Maximum Aperture	GV-EFD1100-0F	F/2.0	GV-EFD2100-0F	F/2.0	GV-EFD4700-0F / EFD2700-0F	F/2.0			
	GV-EFD1100-2F	F/1.8	GV-EFD2100-2F	F/1.8	GV-EFD4700-2F / EFD2700-2F	F/1.8			
Mount		M12, Pitch 0.5 mm							
Image Format		1/2.7"							
Horizontal FOV	GV-EFD1100-0F	93°	GV-EFD2100-0F	99°	GV-EFD4700-0F	96°	GV-EFD2700-0F	100°	
	GV-EFD1100-2F	64°	GV-EFD2100-2F	72°	GV-EFD4700-2F	72°	GV-EFD2700-2F	73°	
Operation	Focus	Fixed							
	Zoom	Fixed							
	Iris	Fixed							
IR LED Quantity		12 IR LEDs							
Max. IR Distance		15 m (50 ft)						40 m (131 ft)	
Mechanical									
Camera Angle Adjustment	Pan	-45° ~ 45°							
	Tilt	0° ~ 63°							
Connectors	Power	2-pin terminal block, PoE							
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable							
	Audio	1 In (built-in microphone)							
	Local Storage	N/A						Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II card type is not supported	
LED Indicator		4 LEDs: Link, ACT, Power, Status							
General									
Environment Temperature		0°C ~ 45°C (32°F ~ 113°F)							
Humidity		10% to 90% (no condensation)							
Power Source		12V DC / PoE (IEEE 802.3af)							
Max. Power Consumption		5.8 W				6.07 W			
Regulatory		CE, FCC, RCM, RoHS compliant				CE, FCC, RCM, LVD, RoHS compliant			
Dimensions (L X W X H)		ø 100 x 60 mm (3.9" x 2.4")							
Weight		148 g (0.33 lb)							
Ingress Protection		N/A							
Vandal Resistance		N/A							

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. Product design and specifications are subject to change without notice.



Target Series Specifications (Part 6)








	GV-EDR1100 Series		GV-EDR2100 Series		GV-EDR4700 Series		GV-EDR2700 Series		GV-ADR2701	GV-ADR4701	
											
Camera											
Image Sensor	1/3" progressive scan low lux CMOS		1/2.8" progressive scan low lux CMOS		1/3" progressive scan super low lux CMOS		1/2.8" progressive scan super low lux CMOS		1/2.7" progressive scan low lux CMOS	1/3" progressive scan low lux CMOS	
Picture Elements	1280 (H) x 1024 (V)		1920 (H) x 1080 (V)		2592 (H) x 1520 (V)		1920 (H) x 1080 (V)		1920 (H) x 1080 (V)	2592(H) x 1520 (V)	
Minimum Illumination	Color	0.05 Lux		0.07 Lux		0.03 Lux		0.005 Lux		0.02 Lux	0.02 Lux
	B/W	0.03 Lux		0.04 Lux		0.02 Lux		0.004 Lux		N/A	
	IR ON	0 Lux									
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)				Auto, Manual (1/5 ~ 1/16000 sec)				Auto / Manual (1/6 ~ 1/100000 sec)		
White Balance	Auto, Manual (2800K ~ 8500K)								Auto / Manual		
Gain Control	Automatic								Auto / Manual		
S/N Ratio	50 dB		48 dB		50 dB		56 dB		52 dB		
WDR	Yes				WDR Pro				Yes		
Dynamic Range	Up to 72 dB				Up to 120 dB		Up to 130 dB		Up to 72 dB		
Operation											
Video Compression	H.264, MJPEG				H.265, H.264, MJPEG						
Video Streaming	Dual streams				Triple streams		Dual streams		Triple streams		
Frame Rate	30 fps at 1280 x 1024		30 fps at 1920 x 1080		20 fps at 2592 x 1520 24 fps at 2560 x 1440 30 fps at 2048 x 1520		30 fps at 1920 x 1080		25 fps at 1920 x 1080	20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520	
Audio Compression	N/A										
Audio Support	N/A										
Optical Lens											
Megapixel	Yes										
Day/Night	Yes (with removable IR-cut filter)										
Lens Type	Fixed										
Focal Length	GV-EDR1100-0F	2.8 mm	GV-EDR2100-0F	2.8 mm	GV-EDR4700-0F / EDR2700-0F		2.8 mm		2.8 mm		
	GV-EDR1100-2F	3.8 mm	GV-EDR2100-2F	3.8 mm	GV-EDR4700-2F / EDR2700-2F		3.8 mm		2.8 mm		
Maximum Aperture	GV-EDR1100-0F	F/2.0	GV-EDR2100-0F	F/2.0	GV-EDR4700-0F / EDR2700-0F		F/2.0		F/2.2	F/1.8	
	GV-EDR1100-2F	F/1.8	GV-EDR2100-2F	F/1.8	GV-EDR4700-2F / EDR2700-2F		F/1.8		F/2.2	F/1.8	
Mount	M12, Pitch 0.5 mm								M12		
Image Format	1/2.7"										
Horizontal FOV	GV-EDR1100-0F	93°	GV-EDR2100-0F	99°	GV-EDR4700-0F	96°	GV-EDR2700-0F	100°	105.2°	101°	
	GV-EDR1100-2F	64°	GV-EDR2100-2F	72°	GV-EDR4700-2F	72°	GV-EDR2700-2F	73°	105.2°	101°	
Operation	Focus	Fixed									
	Zoom	Fixed									
	Iris	Fixed									
IR LED Quantity	12 IR LEDs								1 IR LED		
Max. IR Distance	15 m (50 ft)				40 m (131 ft)				30 m (98.4 ft)		
Mechanical											
Camera Angle Adjustment	Pan	-45° ~ 45°								0° ~ 360°	
	Tilt	0° ~ 63°								0° ~ 68°	
	Rotate	N/A									
Connectors	Power	2-pin terminal block, PoE							DC Jack, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable									
	Audio	N/A									
	Local Storage	N/A				Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II card type is not supported				N/A	
LED Indicator	4 LEDs: Link, ACT, Power, Status								N/A		
General											
Environment	Start-up Temperature	-20°C ~ 50°C (-4°F ~ 122°F)								-30°C ~ 60°C (-22°F ~ 140°F)	
		Operation Temperature	-30°C ~ 50°C (-22°F ~ 122°F)								-30°C ~ 60°C (-22°F ~ 140°F)
Humidity	10% to 90% (no condensation)								0% ~ 95% (no condensation)		
Power Source	12V DC / PoE (IEEE 802.3af)										
Max. Power Consumption	5.8 W				6.07 W				5 W		
Regulatory	CE, FCC, RCM, RoHS compliant				CE, FCC, RCM, LVD, RoHS compliant				FCC, UL, CE, RoHS compliant		
Dimensions (L X W X H)	ø 114 x 62.8 mm (4.49" x 2.47")										
Weight	600 g (1.32 lb)								0.3 kg (0.66 lb)		
Ingress Protection	IP67										
Vandal Resistance	IK10 for metal casing								N/A	IK10	

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Product design and specifications are subject to change without notice.









Target Series Specifications (Part 7)

	GV-EBD2702	GV-EBD4700	GV-EBD4711	GV-EBD8711	GV-EFD2101	GV-EFD3101	GV-EFD5101
							
Camera							
Image Sensor	1/2.7" progressive scan low lux CMOS sensor	1/3" progressive scan low lux CMOS		1/2" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS		1/3.2" progressive scan CMOS
Picture Elements	1920 (H) x 1080 (V)	2592 (H) x 1520 (V)		3840 (H) x 2160 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)
Minimum Illumination	Color	0.02 Lux	0.05 Lux	0.003 Lux	0.005 Lux	0.01 Lux	0.12 Lux
	B/W	N/A	0.03 Lux	N/A	0.004 Lux	0.01 Lux	0.10 Lux
	IR ON	0 Lux					
Shutter Speed	Auto / Manual (1/6 ~ 1/100000 sec)	Auto / Manual (1/6 ~ 1/8000 sec)		Auto / Manual (1/6 ~ 1/100000 sec)	Auto / Manual (1/5 ~ 1/8000 sec)		
White Balance	Auto / Manual				Auto / Manual (2800K ~ 8500K)		
Gain Control	Auto / Manual				Automatic		
S/N Ratio	52 dB	55 dB		52 dB	56 dB	54 dB	46 dB
WDR	Yes	WDR Pro		Yes	WDR Pro		Yes
Dynamic Range	Up to 72 dB	Up to 100 dB		Up to 120 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation							
Video Compression	H.265, H.264, MJPEG				H.264, MJPEG		
Video Streaming	Triple streams				Dual streams		
Frame Rate	30 fps at 1920 x 1080	20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520		15 fps at 3840 x 2160, 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440	30 fps at 1920 x 1080	30 fps at 2048 x 1536	30 fps at 2592 x 1944
Audio Compression	N/A		G.711		G.711, AAC (optional)		
Audio Support	N/A		One-way Audio		Two-way Audio		
Optical Lens							
Megapixel	Yes						
Day/Night	Yes (with removable IR-cut filter)						
Lens Type	Fixed	Motorized varifocal lens			Varifocal		
Focal Length	2.8 mm	2.7 ~ 12 mm		2.8 ~ 12 mm	3 ~ 9 mm		
Maximum Aperture	F/1.8	F/1.4		F/1.5	F/1.7		
Mount	M12				Ø 14 mm		
Image Format	1/2.7"	1/3"		1/2"	1/2.8"		1/3.2"
Horizontal FOV	109.9°	100°	91.0°~27.0°	114.8° ~ 47.3°	102° ~ 40°	96° ~ 36°	92° ~ 32°
Operation	Focus	Fixed		Auto / Manual		Manual (with lock)	
	Zoom	Fixed		4.4x Optical Zoom	4.3x Optical Zoom	Manual (with lock)	
	Iris	Fixed		P-Iris			
Maximum Torque (Focus / Zoom Screws)	N/A				0.049 N.m		
IR LED Quantity	1 IR LED		2 IR LEDs		20 IR LEDs		
Max. IR Distance	30 m (98.4 ft)		50 m (164.04 ft)		30 m (98.4 ft)		
Mechanical							
Camera Angle Adjustment	Pan	0° ~ 360°				0° ~ 350°	
	Tilt	0° ~ 77°		0° ~ 75°			
	Rotate	0° ~ 360°				0° ~ 340°	
3-axis Mechanism	Yes						
Connectors	Power	DC Jack		DC Jack, PoE	2-pin terminal block, PoE		
	Ethernet	RJ-45 connector		Ethernet (10/100 Base-T)	Ethernet (10/100 Base-T), RJ-45 cable		
	Audio	N/A		1 In (built-in microphone)		1 In (microphone phone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")	
	TV-Out	N/A		BNC connector (D1 resolution)			
	Local Storage	N/A		Micro SD card slot (SD/SDHC/SDXC/UHS-I, class 10) *UHS-II card types are not supported.		N/A	
LED Indicator	N/A				2 LEDs: Power, Status		
Temperature Detector					Yes		
General							
Environment Temperature	Start-up	-35°C ~ 60°C		-40°C ~ 60°C		0°C ~ 50°C (32°F ~ 122°F)	
	Operation	(-31°F ~ 140°F)		(-40°F ~ 140°F)			
Humidity	0% ~ 95% (no condensation)				10% to 90% (no condensation)		
Power Source	12V DC / PoE (IEEE 802.3af)						
Max. Power Consumption	5.5 W		8.16 W		5.8 W	7W	
Regulatory	CE, FCC, RoHS, UL compliant		CE, FCC, RoHS compliant		CE, FCC, RCM, RoHS compliant		
Dimensions (L X W X H)	Ø 126 x 94 mm (Ø5.0" x 3.7")		Ø 129 x 110 mm (Ø5.08" x 4.3")		Ø 125 x 99.5 mm (4.92" x 3.92")		
Weight	0.33 kg (0.73 lb)	0.45 kg (0.99 lb)	0.67 kg (1.48 lb)		470 g (1.04 lb)		
Ingress Protection	IP67				N/A		




Target Series Specifications (Part 8)

	GV-EVD2100	GV-EVD3100	GV-EVD5100	GV-AVD2700	GV-AVD4710	GV-AVD8710
						
	Camera					
Image Sensor	1/2.8" progressive scan super low lux CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.9" progressive scan low lux CMOS	1/3" progressive scan CMOS	1/2" progressive scan super low lux CMOS
Picture Elements	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)	1920 (H) x 1080 (V)	2592(H) x 1520 (V)	3840 (H) x 2160 (V)
Minimum Illumination	0.005 Lux	0.01 Lux	0.12 Lux	0.01 Lux	0.02 Lux	0.003 Lux
Color B/W	0.004 Lux	0.01 Lux	0.10 Lux	N/A	N/A	N/A
IR ON	0 Lux					
Shutter Speed	Auto, Manual (1/5 ~ 1/8000 sec)			Auto / Manual (1/6 ~ 1/100000 sec)		
White Balance	Auto, Manual (2800K ~ 8500K)			Auto / Manual		
Gain Control	Auto			Auto / Manual		
S/N Ratio	56 dB	54 dB	46 dB	52 dB	55 dB	52 dB
WDR Pro (with WDR sensor)	N/A	Yes				
Dynamic Range	Up to 72 dB	Up to 100 dB	Up to 72 dB	Up to 120 dB		
	Operation					
Video Compression	H.264, MJPEG			H.265, H.264, MJPEG		
Video Streaming	Dual streams			Triple streams		
Frame Rate	30 fps at 1920 x 1080	30 fps at 2048 x 1536	30 fps at 2592 x 1944	30 fps at 1920 x 1080	20 fps at 2592 x 1520, 25 fps at 2560 x 1440 30 fps at 2048 x 1520	15 fps at 3840 x 2160 30 fps at 2944 x 1656 / 2592 x 1944 / 2560 x 1440
Audio Compression	G.711, AAC (optional)			G.711		
Audio Support	Two-way Audio					
	Optical Lens					
Megapixel	Yes					
Day/Night	Yes (with removable IR-cut filter)					
Lens Type	Varifocal			Motorized varifocal		
Focal Length	3 ~ 9 mm			2.8~12 mm		
Maximum Aperture	F/1.7			F/1.4		F/1.5
Mount	Ø 14 mm					
Image Format	1/2.8"		1/3.2"	1/2.9"	N/A	1/2"
Horizontal FOV	102° ~ 40°	96° ~ 36°	92° ~ 32°	108° ~ 30°	91°~27°	114.8°~47.3°
Operation Focus	Manual (with lock)				Auto / Manual	
Zoom	Manual (with lock)				4.3x Optical Zoom	
Iris	P-Iris			Fixed		
Maximum Torque (Focus / Zoom Screws)	0.049 N.m			N/A		
IR LED Quantity	20 IR LEDs			2 IR LEDs		
Max. IR Distance	50 m (164.04 ft)			30 m (98.4 ft)		
	Mechanical					
Camera Pan	0° ~ 350°			0°~360°		
Angle Tilt	0° ~ 75°			0°~80°		
Adjustment Rotate	0° ~ 340°			0°~360°		
3-axis Mechanism	Yes					
Power	2-pin terminal block, PoE			DC Jack, PoE		
Ethernet	Ethernet (10/100 Base-T), RJ-45 cable					
Audio	1 In (microphone phone jack, 3.5 mm / 0.14") 1 Out (stereo phone jack, 3.5 mm / 0.14")			1 in (Audio In Wire) 1 out (Audio Out Wire)		
TV-Out	BNC connector (D1 resolution)					
Digital I/O	N/A			4-pin terminal block pitch 3.5 mm (0.14")		
Local Storage	N/A			Micro SD card slot (SD/SDHC/SDXC/UHS-I, class 10) *UHS-II card types are not supported.		
LED Indicator	2 LEDs: Power, Status			N/A		
Temperature Detector	Yes			N/A		
	General					
Environment Start-up	-20 °C ~ 50 °C (-4 °F ~ 122 °F)			-40°C ~ 60°C (-22°F ~ 140°F)		
Temperature Operation	-30 °C ~ 50 °C (-22 °F ~ 122 °F)					
Humidity	10% to 90% (no condensation)			0% to 95% (no condensation)		
Power Source	12V DC / PoE (IEEE 802.3af)					
Max. Power Consumption	6.1 W		7 W	7.2 W		8 W
Regulatory	CE, FCC, RCM, RoHS compliant					
Dimensions (L X W X H)	Ø 160 x 108.4 mm (6.2" x 4.27")			Ø 148 x 111.3 mm (5.8" x 4.4")		
Weight	1.15 kg (2.54 lb)			0.75 kg (1.7 lb)		
Ingress Protection	IP67					
Vandal Resistance	IK10					



Target Series Specifications (Part 9)




		GV-EFER3700 (Outdoor)	GV-EFER3700-W (Outdoor)
			
Image Sensor		1/2.8" progressive scan super low lux CMOS	
Picture Elements		2048 (H) x 1536 (W)	
Minimum Illumination	Color	0.001 Lux	
	B/W	0.001 Lux	
	IR ON	0 Lux	
Shutter Speed		Automatic, Manual (1/5 ~ 1/16000 sec)	
White Balance		Automatic, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		54 dB	
WDR Pro (with WDR Sensor)		Yes	
Dynamic Range		Up to 120 dB	
Operation			
Video Compression		H.265, H.264, MJPEG	
Video Streaming		Stream 1 from H.265 or H.264	
		Stream 2 from H.265, H.264 or MJPEG	
		Stream 3 from H.265, H.264 or MJPEG	
Frame Rate		50Hz: 25 fps at 2048 x 1536, 25 fps at 1440 x 1376 60Hz: 30 fps at 2048 x 1536, 30 fps at 1440 x 1376	
Audio Compression		G.711, AAC (Optional)	
Audio Support		Two-way Audio	
Sensor Input		1 input (Dry Contact)	
Sensor Output		1 digital output (200mA 5V DC)	
Optical Lens			
Megapixel		Yes	
Day/Night		Yes (with removable IR-cut filter)	
Focal Length		1.24 mm	
Maximum Aperture		F/1.8	
Mount		M12	
Image Format		1/3"	
Horizontal FOV		185°	
Operation	Focus	Fixed	
	Iris	Fixed	
	Zoom	Fixed	
IR LED Quantity		3 IR LEDs	
Max. IR Distance		20 m (65.61 ft)	
Mechanical			
Temperature Detector		Yes	
Connectors	Power	2-pin terminal block, PoE	2-pin terminal block
	Ethernet	Ethernet (10/100 Base-T), RJ-45	
	Audio	1 In (Externally connecting a microphone, 3.5 mm / 0.14") 1 Out (Stereo phone jack, 3.5 mm / 0.14")	
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")	
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
LED Indicator		2 LEDs: Power / Status	4 LEDs: Power / Status / WiFi Power / WiFi Status
General			
Environment	Start-Up	-20°C ~ 50°C (-4°F ~ 122°F)	
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity		10% to 90% (no condensation)	
Power Source		12V DC / PoE (IEEE 802.3af)	12V DC
Max. Power Consumption		10.5 W	9.5 W
Regulatory		CE, FCC, RCM, LVD, RoHS compliant	
Dimension		Ø 140.5 x 52.2 mm (5.5" x 2.05")	
Weight		670 g (1.47 lb)	
Ingress Protection		IP67	
Vandal Resistance		IK8	

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. Product design and specifications are subject to change without notice.



PT and PTZ Camera Specifications





		GV-PT130D	GV-PT220D	GV-PT320D
				
Camera				
Image Sensor		1/2.5" progressive scan CMOS		
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.15 Lux		
	B/W	0.10 Lux		
	IR ON	0 Lux		
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)		
White Balance		Auto, Manual (2800K ~ 8500K)		
Gain Control		Automatic		
BLC		Yes		
Dynamic Range		Up to 72 dB		
Operation				
Video Compression		H.264, MJPEG		
Video Streaming		Dual streams		
Frame Rate		30 fps at 1280 x 1024,	30 fps at 1920 x 1080	20 fps at 2048 x 1536
Audio Compression		G.711, AAC (optional)		
Audio Support		Two-way Audio		
Sensor Input		1 Input (Dry Contact)		
Alarm Output		1 Digital output (200mA 5V DC)		
Optical Lens				
Megapixel		Yes		
Day/Night		Yes (with removable IR-cut filter)		
Focal Length		4.0 mm		
Maximum Aperture		F/1.5		
Mount		M12, Pitch 0.5 mm		
Image Format		1/2.5"		
Horizontal FOV		49°	58°	62°
	Focus	Manual (w/lock)		
Operation	Zoom	Fixed		
	Iris	Fixed		
IR LED Quantity		10 IR LEDs		
Max. IR Distance		15 m (50 ft)		
Mechanical				
Camera Angle Adjustment	Pan	-175° ~ 175°		
	Tilt	-45° ~ 90°		
Temperature Detector		Yes		
Connectors	Power	2-pin terminal block, PoE		
	Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
	Audio	1 In (built-in microphone or external microphone)		
		1 Out (Stereo phone jack, 3.5 mm / 0.14")		
	Digital I/O	3-pin terminal block, pitch 2.5 mm / 0.1"		
Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
LED Indicator		2 LEDs: Power, Status		
General				
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)		
Humidity		10% to 90% (no condensation)		
Power Source		12V DC / 24V AC / PoE (IEEE 802.3af)		
Max. Power Consumption		12.5 W		
Regulatory		CE, FCC, RCM, RoHS compliant		
Dimensions	With Base	167.75 x 166.78 x 135.2 mm (6.6" x 6.7" x 5.32")		
	Without Base	124.55 x 122.73 x 133.3 mm (4.9" x 4.83" x 5.25")		
Weight		440 g (0.97 lb)		

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Fisheye Camera Specifications (Part 1)





		GV-FE3402 (Indoor)	GV-FE5302 (Indoor)	GV-FER3402 (Outdoor)	GV-FER5302 (Outdoor)
		Without IR Ring			
					
Camera					
Image Sensor		1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements		2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.08 Lux	0.15 Lux	0.08 Lux	0.15 Lux
	B/W	0.05 Lux	0.10 Lux	0.05 Lux	0.10 Lux
	IR ON	N/A			
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)			
White Balance		Auto, Manual (2800K ~ 8500K)			
Gain Control		Automatic			
S/N Ratio		47 dB	45 dB	47 dB	45 dB
WDR Pro (with WDR Sensor)		Yes	N/A	Yes	N/A
Dynamic Range		Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation					
Video Compression		H.264, MJPEG			
Video Streaming		Dual Streams from H.264 or MJPEG			
Frame Rate		15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200
Audio Compression		G.711, AAC (optional)			
Audio Support		Two-way Audio			
Sensor Input		N/A			
Alarm Output		N/A			
Optical Lens					
Megapixel		Yes			
Day/Night		Yes (with removable IR-cut filter)			
Focal Length		1.19 mm	1.32 mm	1.19 mm	1.32 mm
Maximum Aperture		F/2.0	F/2.0	F/2.0	F/2.0
Mount		M12, Pitch 0.5 mm			
Image Format		4.1 mm (image circle)	2.5"	4.1 mm (image circle)	2.5"
Horizontal FOV		180°			
Operation	Focus	Fixed			
	Iris				
	Zoom				
Mechanical					
Temperature Detector		Yes			
Connectors	Power	Terminal block (2 pin), PoE			
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector			
	Audio	1 In (built-in microphone) 1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")		1 In (built-in microphone), 1 Out (built-in speaker)	
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			
	Mini USB	GV-WiFi Adapter or USB hard drive		N/A	
General					
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)		-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity		10% to 90% (no condensation)			
Power Source		12V DC / 24V AC / PoE (IEEE 802.3af)			
Max. Power Consumption		8.6 W		3.6 W	
Regulatory		CE, FCC, RCM, RoHS compliant			
Dimensions	Camera Body	Hard-Ceiling Mount	Ø 160.25 x 48.36 mm (6.31" x 1.93")		
		In-Ceiling Mount	Ø 166.48 x 48.36 mm (6.55" x 1.93")		
Weight		410 g (0.9 lb)		500 g (1.1 lb)	
Ingress Protection		N/A		IP67	
Vandal Resistance		IK10+ for metal casing			

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.**
- Product design and specifications are subject to change without notice.



Fisheye Camera Specifications (Part 2)





	GV-FE3403 (Indoor)	GV-FE5303 (Indoor)	GV-FER3403 (Outdoor)	GV-FER5303 (Outdoor)
	With IR Ring			
				
Camera				
Image Sensor	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS	1/3.2" progressive scan CMOS	1/2.5" progressive scan CMOS
Picture Elements	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)	2048 (H) x 1536 (V)	2560 (H) x 1920 (V)
Minimum Illumination	Color	0.08 Lux	0.08 Lux	0.15 Lux
	B/W	0.05 Lux	0.10 Lux	0.10 Lux
	IR ON	0 Lux		
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec)			
White Balance	Auto, Manual (2800K ~ 8500K)			
Gain Control	Automatic			
S/N Ratio	47 dB	45 dB	47 dB	45 dB
WDR Pro (with WDR Sensor)	Yes	N/A	Yes	N/A
Dynamic Range	Up to 100 dB	Up to 72 dB	Up to 100 dB	Up to 72 dB
Operation				
Video Compression	H.264, MJPEG			
Video Streaming	Dual streams from H.264 or MJPEG			
Frame Rate	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200	15 fps at 2048 x 1536, 1440 x 1376 and 1280 x 1200	10 fps at 2560 x 1920 15 fps at 2048 x 1944, 1440 x 1376 and 1280 x 1200
Audio Compression	G.711, AAC (optional)			
Audio Support	Two-way Audio			
Sensor Input	N/A			
Alarm Output	N/A			
Optical Lens				
Megapixel	Yes			
Day/Night	Yes (with removable IR-cut filter)			
Focal Length	1.19 mm	1.32 mm	1.19 mm	1.32 mm
Maximum Aperture	F/2.0			
Mount	M12, Pitch 0.5 mm			
Image Format	4.1 mm (image circle)	2.5"	4.1 mm (image circle)	2.5"
Horizontal FOV	180°			
Operation	Focus	Fixed		
	Iris	Fixed		
	Zoom	Fixed		
IR LED Quantity	6 IR LEDs			
Max. IR Distance	10 m (32.81 ft)			
Mechanical				
Temperature Detector	Yes			
Connectors	Power	Terminal block (2 pin), PoE		
	Ethernet	Ethernet (10/100/1000 Base-T), RJ-45 Connector		
	Audio	1 In (built-in microphone) 1 Out (built-in speaker or stereo phone jack, 3.5 mm / 0.14")	1 In (built-in microphone), 1 Out (built-in speaker)	
	Digital I/O	N/A		
	Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported		
	USB	GV-WiFi Adapter or mini USB hard drive	N/A	
General				
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)		-30°C ~ 50°C (-22°F ~ 122°F)	
Humidity	10% to 90% (no condensation)			
Power Source	w/o PoE Converter	Camera: 12V DC / 24V AC / PoE (IEEE 802.3af) IR LED ring: 12V D		
	w/ PoE Converter	PoE (IEEE 802.3 at)	N/A	
Max. Power Consumption	w/o PoE Converter	22 W	15.4 W	
	w/ PoE Converter	30 W	N/A	
Regulatory	CE, FCC, RCM, LVD, RoHS compliant			
Dimensions	Camera Body - Hard-Ceiling Mount (with IR LED Ring)	Ø 175 x 48.36 mm (6.89" x 1.93")		
	w/o PoE Converter	870 g (1.92 lb)	960 g (2.12 lb)	
Weight	w/ PoE Converter	1.045 kg (2.3 lb)		
Ingress Protection	N/A			
Vandal Resistance	IK10+ for metal casing			

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- Product design and specifications are subject to change without notice.



Fisheye Camera Specifications (Part 3)








		GV-FER5700 (Outdoor)	GV-FER12203 (Outdoor)	GV-UNFE2503 (Outdoor)	GV-UNFE2502 (Outdoor)	
						
Camera						
Image Sensor		1/1.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS		
Picture Elements		2560 (H) x 2048 (V)	4000 (H) x 3000 (V)	1920 (H) x 1080 (V)		
Minimum Illumination	Color	0.04 Lux	0.1 Lux	0.02 Lux		
	B/W	0.03 Lux	0.05 Lux			
	IR ON	0 Lux			N/A	
Shutter Speed		Automatic, Manual (1/30 ~ 1/16000 sec.)			Automatic, Manual (1/5 ~ 1/8000 sec)	
White Balance		Auto, Manual (2800K ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		50 dB			52 dB	
WDR Pro (with WDR Sensor)		N/A				
Dynamic Range		Up to 72 dB				
Operation						
Video Compression		H.265, H.264, MJPEG		H.264, MJPEG		
Video Streaming		Triple streams from H.265, H.264 or MJPEG		Dual streams from H.264 or MJPEG		
Frame Rate		30 fps at 2560 x 1920		15 fps at 4000 x 3000, 25 fps at 2896 x 2768	30 fps at 1920 x 1080	
Audio Compression		G.711, AAC (optional)			AAC 32K	
Audio Support		Two-way Audio			One-way Audio	
Sensor Input		1 input (Dry Contact)			N/A	
Alarm Output		1 Digital Output (200mA 5V DC)			N/A	
Optical Lens						
Megapixel		Yes				
Day/Night		Yes (with removable IR-cut filter)				
Focal Length		1.45 mm	1.83 mm	1.19 mm		
Maximum Aperture		F/2.2	F/2.4	F/2.0		
Mount		M12				
Image Format		1/1.8"	1/1.7"	1/2.3"		
Horizontal FOV		180°				
Operation	Focus					
	Iris	Fixed				
	Zoom					
IR LED Quantity		6 IR LEDs	6 IR LEDs	8 IR LEDs	N/A	
Max. IR Distance		30 m (98.43 ft)	30 m (98.43 ft)	10 m (32.81 ft)	N/A	
Mechanical						
Temperature Detector		Yes				
Connectors	Power	Terminal block (2 pin), PoE				
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector	Ethernet (10/100/1000 Base-T), RJ-45 Connector			
	Audio	1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14")			1 In (built-in microphone)	
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")			N/A	
	Local Storage	Micro SD card slot (SDHC/SDXC/UHS-I, Class 10) * UHS-II card type is not supported.			Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * UHS-I and SDXC card types are not supported.	
	USB	GV-WiFi Adapter or USB hard drive			N/A	
General						
Environment	Start-Up	-20°C ~ 50°C (-4°F ~ 122°F)		-5 °C ~ 50 °C (23 °F ~ 122 °F)		
	Operation	-30°C ~ 50°C (-22°F ~ 122°F)				
Humidity		10% to 90% (no condensation)				
Power Source		12V DC / PoE+ (IEEE 802.3af)	12V DC / 24V AC / PoE+ (IEEE 802.3af)	PoE (IEEE 802.3af)		
Max. Power Consumption		15.5 W	28 W	7.7 W	4.8 W	
Regulatory		CE, FCC, RCM, LVD, RoHS compliant			CE, FCC, RCM, RoHS compliant	
Dimensions		Ø 160.6 x 59.1 mm m (6.32" x 2.33")			Body	78.5 x 47.36 x 32.5 mm
					Lens	Ø 80.35 x 115.12 mm Ø 65 x 115.12 mm
Weight		700 g (1.54 lb)			480 g (1.06 lb)	401 g (0.88 lb)
Ingress Protection		IP67			IP67	
Vandal Resistance		IK10+ for metal casing			N/A	

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. **Memory card slot (local storage) is not supported in Argentina.**
3. Product design and specifications are subject to change without notice.



IP Speed Dome Camera Specifications (Part 1)






Camera	GV-SD220 (Indoor)	GV-SD220-S (Outdoor)	GV-SD2300 (Outdoor)	GV-SD2301 (Outdoor)	GV-SD2411 (Outdoor)	GV-SD2301 V2 (Outdoor)	GV-SD2411 V2(Outdoor)	
	20X / 30X	20X / 30X						
								
Image Sensor	1/2.8 Progressive Scan CMOS		1/2.8" Progressive scan super low lux CMOS sensor			1/3 Progressive scan low lux CMOS		
Picture Elements	1920 (H) x 1080 (V)							
Minimum Illumination	Color	0.05 lux	0.02 lux			0.05 lux	0.5 lux	
	B/W	0.005 lux	0.001 lux			0.002 lux	0.1 lux	
Shutter Speed	1/1 ~ 1/10000 sec					1/6 ~ 1/30000 sec		
White Balance	Auto / Manual							
Gain Control	N/A					Auto / Manual		
S/N Ratio	50 dB							
BLC	On / Off					N/A		
Optical Zoom	20x / 30x		20x		30x	20x	30x	
Digital Zoom	12x					32x		
WDR Pro (with WDR sensor)	Yes							
Dynamic Range	Up to 100 dB		Up to 72 dB		Up to 100 dB			
Operation								
Video Compression	H.264, MJPEG					H.265, H.264, MJPEG		
Video Streaming						Dual Streams		
Frame Rate	30/25 fps (60/50 Hz) at 1920 x 1080 60/50 fps (60/50 Hz) at 1280 x 720				60/50 fps (60/50 Hz) at 1920 x 1080	30/50 fps (60/50 Hz) at 1920 x 1080		
Audio Compression	G.711, AAC (optional)							
Audio Support	Two-way Audio							
Sensor Input	4		4 Input (Dry Contact)					
Alarm Output	1		1 Digital Output (200mA 5V DC)			1 Digital Output (4A 30V DC / 250V AC)		
Pan Travel	360° endless							
Tilt Travel	0° ~ 180°			-20° ~ 200°		-15° ~ 195°		
Proportional Pan & Tilt	On / Off (pan and tilt speed is proportional to the zoom ratio)			Auto (Pan and tilt speed proportional to zoom ratio)				
Movement Speed	0.5° ~ 460°/s					0.1° ~ 460°/s		
Presets	255							
Preset Accuracy	0.2°							
Sequence	Max Number	8						
	Max Presets Allowed	16						
Auto Pan	8							
Cruise	4							
Tour	8							
Privacy Mask	8			24		8		
Wide Dynamic Range	On / Off							
Optical Lens								
Megapixel	Yes							
Day/Night	Yes (with removable IR Cut Filter)							
Focal Length	4.7 ~ 94.0 mm (20x); 4.3 ~ 129 mm (30x)		4.7 ~ 94 mm		4.3 ~ 129 mm	4.7 ~ 94 mm	4.3 ~ 129 mm	
Maximum Aperture	F / 1.6							
Operation	Focus	Auto/Manual						
	Zoom	20x / 30x		20x		30x	20x / 30x	
	Iris	Auto/Manual						
Mechanical								
Temperature Detector	Yes							
Connectors	Power	DC Jack, PoE					DC Jack (DC 24V, 3.75A), PoE++	
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector						
	Audio	1 in 1 out (RCA female for microphone and speaker)						
	Digital I/O	I/O wires						
Local Storage	Micro SD card slot (SD/SDHC, version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported			SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.				
General								
Environment Temperature	-10 °C ~ 50 °C (14 °F ~ -122 °F)	-40 °C ~ 50 °C (-40 °F ~ -122 °F)	-40 °C ~ 70 °C (-40 °F ~ 158 °F)			-40 °C ~ 55 °C (-40 °F ~ 131 °F)	-40 °C ~ 50 °C (-40 °F ~ -122 °F)	
Humidity	20% ~ 90% (no condensation)					10% ~ 90% (no condensation)		
Power Source	24V AC / 24V DC / PoE (IEEE 802.3at)	24V AC / 24V DC / High PoE (PoE++, 60 W)	24V AC / 24V DC / High PoE (PoE++, 50 W)			24V AC / 24V DC / High PoE (PoE++, 90 W)		
Max. Power Consumption	30 W	60 W (with 30 W heater)			50 W (with 30 W Heater)		53.5 W	
Regulatory	CE, FCC, RCM, RoHS Compliant							
Dimensions	Camera Body	ø 172 x 221.9 mm (7" x 8.8")	ø 220 x 297.75 mm (8.7" x 11.7")	ø 220 x 297.75 mm (8.66" x 11.72")		ø 211.63 x 232 mm (8.332" x 9.13")		
		3.2 kg (7.1 lb)		4.7 kg (10.4 lb)			3.1 kg (6.82 lb)	
Ingress Protection						IP67		
Vandal Resistance	-			IK10 for metal and polycarbonate casing		IK10 for metal casing		

Note:

- The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
- Memory card slot (local storage) is not supported in Argentina.
- GV-SD220/220-S starts supporting PoE from November, 2014.
- Product design and specifications are subject to change without notice.




IP Speed Dome Camera Specifications (Part 2)

Camera	GV-SD2322-IR (Outdoor)	GV-SD2722-IR (Outdoor)	GV-SD3732-IR (Outdoor)	GV-SD2723-IR	GV-SD2733-IR	
						
Image Sensor	1/2.8 Progressive scan low lux CMOS sensor	1/1.9 Progressive scan super low lux CMOS sensor	1/2.8 Progressive scan low lux CMOS sensor	1/3 progressive scan low lux CMOS sensor		
Picture Elements	1920 (H) x 1080 (V)		2048 (H) x 1536 (V)	1920 (H) x (1080 (V))		
Minimum Illumination	Color	0.03 lux at F/1.6	0.001 Lux at F/1.5	0.05 lux at F/1.6	0.5 lux at F/1.6	
	B/W	0.01 lux at F/1.6	N/A	0.03 lux at F/1.6	0.1 lux at F/1.6	
	IR ON	0 Lux				
Shutter Speed	1/6 ~ 1/8000 sec.	1/6 ~ 1/100000 sec.	1/6 ~ 1/8000 sec.	1/6 ~ 1/30000 sec.		
White Balance	Auto / Manual			Auto / Manual (2800 ~ 8500K)		
AGC Control	Auto / Manual			Automatic		
S/N Ratio	52 dB		55 dB	50 dB (AGC Off)		
Optical Zoom	22x		33x	20x	30x	
Digital Zoom	Unlimited			32x		
WDR Pro (with WDR sensor)	N/A		Yes			
Dynamic Range	Up to 72 dB		Up to 120 dB			
Operation						
Video Compression	H.264, MJPEG		H.265, H.264 or MJPEG			
Video Streaming	Triple streams from H.264 or MJPEG		Triple streams from H.265, H.264 or MJPEG		Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG	
Frame Rate	30/25 fps (60/50 Hz) at 1920 x 1080	60 fps (60 / 50 Hz) at 1920 x 1080	30 fps (60/ 50 Hz) at 2048 x 1536 60 fps (60 / 50 Hz) at 1920 x 1080	50Hz: 50 fps at 1920 x 1080 60Hz: 30 fps at 1920 x 1080		
Audio Compression	G.711			G.711, AAC (optional)		
Audio Support	Two-way Audio (external microphone with power supply and speaker required)					
Sensor Input	2 Input			4 Input (dry contact)		
Alarm Output	1 Digital Output			1 Digital output (4A 30V DC / 250V AC)		
Pan Travel				360° endless		
Tilt Travel	-15° ~ 195°			-20° ~ 200°		
Movement Speed	0.1° ~ 240°/s			0.1° ~ 400°/s		
Presets	255					
Preset Accuracy	0.2°		0.1°		0.2°	
Auto Pan	Yes			8		
Sequence	Max Number				8	
	Max Presets Allowed				16	
Cruise	N/A			4		
Tour				8		
Patrol	Max Number	16			N/A	
	Max Actions Allowed	32				
Privacy Mask	24			8		
Optical Lens						
Megapixel	Yes					
Day/Night	Yes (with removable IR Cut Filter)					
Focal Length	4.7 ~ 103 mm	6.5 ~ 143 mm	4.5 ~ 148.5 mm	4.7 ~ 94.0 mm	4.3 ~ 129 mm	
Maximum Aperture	F/ 1.6	F/ 1.5		F/ 1.6		
Operation	Focus	Auto / Manual				
	Zoom	22x		33x	20x 30x	
	Iris	Auto / Manual				
IR LED Quantity	10 IR LEDs			4 IR LEDs		
Max. IR Distance	150 m (492 ft)	200 m (656ft)	150 m (492 ft)	250 m (820 ft)		
Mechanical						
Temperature Detector	N/A			Yes		
Connectors	Power	3-pin terminal block (DC 24V, AC 24V, 2.5A)			DC Jack (DC 24V, AC 24V), PoE ++	
	Ethernet	10/100 Base-T, RJ-45 connector				
	Audio	1 in (Audio in wire) 1 out (Audio out wire)			1 in (RCA female for microphone) 1 out (RCA female for speaker)	
	Digital I/O	I/O Wires				
	Local Storage	Micro SD card slot (SDHC/SDXC, Class 10) *UHS-I and UHS-II card types are not supported			Micro-SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.	
	TV-Out	BNC connector			N/A	
General						
Environment Temperature	-40°C ~ 70°C (-40°F ~ 158°F)					
Humidity	20% ~ 90% (no condensation)			10% ~ 90% (no condensation)		
Power Source	24V AC / 24V DC			24V AC / 24V DC / High PoE (PoE++, 90 W)		
Max. Power Consumption	52.5 W			85 W		
Regulatory	CE, FCC, RoHS compliant			CE, FCC, RCM, RoHS compliant		
Dimensions	Ø 227 x 359.4 mm (8.94" x 14.15")			Ø 201.7 x 293.2 mm (7.94" x 11.54")		
Weight	5.4 kg (11.9 lb)			5.6 kg (12.3 lb)		
Ingress Protection	IP66					
Vandal Resistance	IK10 for metal casing					



Pinhole Camera Specifications




		GV-UNP2500
		
Camera		
Image Sensor		1/2.8" progressive scan super low lux CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color B/W	0.02 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		52 dB
WDR		Yes
Dynamic Range		Up to 72 dB
Operation		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams from H.264 or MJPEG
Frame Rate		30 fps at 1920 x 1080
Audio Compression		AAC 32K
Audio Support		One-way Audio
Sensor Input		No
Alarm Output		No
Optical Lens		
Megapixel		Yes
Day/Night		Yes (Electronic)
Iris		Fixed
Focal Length		3.7 mm
Maximum Aperture		F/2.8
Mount		M12
Image Format		1/2.7"
Horizontal FOV		84°
Operation	Focus	Fixed
Operation	Zoom	Fixed
Operation	Iris	Fixed
Mechanical		
Temperature Detector		Yes
Connectors	Power	PoE (IEEE 802.3af)
	Ethernet	RJ-45 connector
	Audio	1 In (built-in microphone)
Connectors	Local Storage*	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.
	Camera Unit Connect	RJ-12
LED Indicator		4 LEDs: Link, ACT, Camera Status, RJ-12 Status
General		
Environment Temperature		-5 °C ~ 50 °C (23 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)
Power Source		PoE (IEEE 802.3af)
Max. Power Consumption		4.8 W
Regulatory		CE, FCC, RCM, RoHS compliant
Dimensions	Main Base	78.5 x 47.36 x 32.5 mm (3.09" x 1.86" x 1.28")
	Pinhole Unit	∅ 59.93 x 50.14 mm (2.36" x 1.97")
Weight (with rack)		210 g (0.46 lb)

Note:

1. The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
2. Product design and specifications are subject to change without notice.




Panoramic PTZ IP Camera

		GV-PPTZ7300	GV-PPTZ14021	GV-PPTZ14031
				
Camera				
Image Sensor		FE: 1/2.5" progressive scan CMOS SD: 1/2.86" progressive scan CMOS		FE: 1/1.7" progressive scan CMOS SD: 1/3" progressive scan CMOS
Picture Elements		FE: 2560 (H) x 1920 (V); SD: 1920 (H) x 1080 (V)		FE: 4000 (H) x 3000 (V); SD: 1920 (H) x 1080 (V)
Minimum Illumination	Color	FE: 0.15 Lux; SD: 0.5 Lux		FE: 0.1 Lux; SD: 0.5 Lux
	B/W	FE: 0.15 Lux; SD: 0.1 Lux		FE: 0.05 Lux; SD: 0.1 Lux
Shutter Speed		FE: Automatic, Manual (1/5 ~ 1/8000 sec) SD: Automatic, Manual (1/6 ~ 1/60000 sec)		FE: Automatic, Manual (1/25 ~ 1/16000 sec.) SD: Automatic, Manual (1/6 ~ 1/30000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)		Automatic, Manual (2800K ~ 8500K)
Gain Control		FE: Automatic; SD: Automatic, Manual		FE: Automatic; SD: Automatic, Manual
S/N Ratio		FE: 45 dB; SD: 50 dB (AGC Off)		FE: 52 dB; SD: 50 dB (AGC Off)
WDR		FE: Yes (WDR); SD: Yes (WDR Pro)		FE: N/A; SD: Yes (WDR Pro)
Dynamic Range		FE: Up to 72 dB; SD: Up to 100 dB		FE: Up to 72 dB; SD: Up to 100 dB
Operation				
Video Compression		H.264, MJPEG		H.265 (SD Only), H.264, MJPEG
Video Streaming		Dual streams from H.264 or MJPEG		Dual streams from H.265 (SD Only), H.264 or MJPEG
Frame Rate		FE: 10 fps at 2560 x 1920, 15 fps at 2048 x 1944, 1440 x 1376, 1280 x 1200 SD: 30 fps at 1920 x 1080, 60 fps at 1280 x 720, 640 x 360, 448 x 252		FE: 15 fps at 4000 x 3000, 25 fps at 2896 x 2768 (60/50 Hz) SD: Up to 30 fps at 1920 x 1080 (60 Hz), 50 fps at 1920 x 1080 (50 Hz)
Audio Compression			G.711, AAC (optional)	
Audio Support			Two-way Audio	
Sensor Input			4 Input (Dry Contact)	
Alarm Output		1 Digital Output (200 mA 5V DC)		1 Digital Output (4A 30V DC / 250V AC)
Pan Travel		355°		360°
Tilt Travel			-15° ~ 195°	
Proportional Pan & Tilt			Auto (Pan and tilt speed proportional to zoom ratio)	
Picture Flip			On / Off	
Sequence	Max. Number		8	
	Max. Presets		16	
Auto Pan			8	
Cruise			4	
Tour	Max. Number		8	
	Max. Number of Preset / Sequence / Auto Pan / Cruise		16	
Privacy Mask			8	
Wide Dynamic Range			On / Off	
Optical Lens				
Megapixel			Yes	
Day/Night			FE: Yes (Electronic); SD: Yes (with removable IR-cut filter)	
Focal Length		FE: 1.32 mm; SD: 5.1 ~ 51 mm	FE: 1.505 mm; SD: 4.7 ~ 94 mm	FE: 1.505 mm; SD: 4.3 ~ 129 mm
Maximum Aperture			FE: F/2.0; SD: F/1.6	
Horizontal FOV		FE: 180°; SD: 54° ~ 4.9°	FE: 180°; SD: 55.4° ~ 2.9°	FE: 180°; SD: 58.9° ~ 2.11°
Operation	Focus		FE: Fixed; SD: Auto / Manual	
	Zoom	FE: Fixed; SD: 10x	FE: Fixed; SD: 20x	FE: Fixed; SD: 30x
	Iris		FE: Fixed; SD: Auto / Manual	
Mechanical				
Temperature Detector			Yes	
Connectors	Power		DC Jack, PoE++	
	Ethernet		Ethernet (10/100 Base-T), RJ-45 Connector	
	Audio		1 in (RCA female for microphone); 1 out (RCA female for speaker)	
	Digital I/O		I/O wires	
Local Storage*		2 micro SD card slots (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.		FE: Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) SD: SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) * UHS-II card types are not supported.
General				
Operating Temperature			-40°C ~ 50°C (-40°F ~ 122°F)	
Heater		Heater 1 On: 5°C (41°F); Off: 8°C (46.4°F) Heater 2 On: -7°C (19.4°F); Off: -2°C (28.4°F)		Heater 1 On: 15°C (59°F); Off: 18°C (64.4°F) Heater 2 On: 3°C (37.4°F); Off: 8°C (46.4°F)
Fan On			45°C (113°F)	> 55°C (149°F), < 15°C (59°F)
Humidity		20% to 90% (no condensation)		10% to 90% (no condensation)
Power Source		DC 24V / AC 24V / High PoE (PoE++, 40 W)		DC 24V / AC 24V / High PoE (PoE++, 53 W)
Max. Power Consumption		40 W		57.2 W
Regulatory			CE, FCC, RCM, RoHS compliant	
Dimensions		∅ 211.63 x 272.00 mm (8.332" x 10.709")		∅ 211 x 277 mm (8.3" x 10.9")
Weight		3.75 kg (8.27 lb)		3.3 kg (7.27 lb)
Ingress Protection			IP67	
Vandal Resistance		IK10 for metal and polycarbonate casing		IK10 for metal casing

Note: Product design and specifications are subject to change without notice.




Thermal IP Camera

		GV-TM0100
		
Camera		
Image Sensor	Uncooled FPA Micro bolometer	
Picture Elements	352 (H) x 288 (V)	
Pixel Size	25 um	
Thermal Sensitivity	≤100 mK at f/1,300K	
Spectral Range	8 ~ 14 um	
Gain Control	Auto, Manual	
Operation		
Video Compression	H.264, MJPEG	
Video Streaming	Single streams from H.264 or MJPEG	
Frame Rate	25 fps at 352 x 288	
Image Setting	Brightness, Contrast	
Noise Reduction	Yes	
Audio Support	N/A	
Optical Lens		
Focal Length	40 mm	
Horizontal FOV	13.7°	
Operation	Focus	Auto / Manual
	Zoom	2x (Digital)
	Iris	N/A
Observation Range		
Detection (2 pixels on target)	Human (1.8 x 0.5 m)	1450 m (4757 ft)
	Car (2.3 x 2.3 m)	1850 m (6070 ft)
Recognition (4 pixels on target)	Human (1.8 x 0.5 m)	480 m (1575 ft)
Recognition (6 pixels on target)	Car (2.3 x 2.3 m)	920 m (3018 ft)
Mechanical		
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	N/A
General		
Environment Temperature	-20°C ~ 40 °C (-4 °F ~ 104 °F)	
Humidity	20% to 90% (no condensation)	
Power Source	12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption	10 W	
Regulatory	CE, FCC, RCM, RoHS compliant	
Dimensions	485.5 x 249.48 x 156.99 mm (19.11" x 9.82" x 6.18")	
Weight (with rack)	2.75 kg (6.06 lb)	

Note: Product design and specifications are subject to change without notice.



Virtual Reality IP Camera

		GV-VR360
		
Camera		
Image Sensor		1/2.9" progressive scan CMOS
Picture Elements		3840 (H) x 2160 (V)
Minimum Illumination	Color	0.05 Lux
	B/W	0.04 Lux
	IR ON	0 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual
Gain Control		Automatic
S/N Ratio		50 dB
WDR		Yes
Dynamic Range		96 dB
Operation		
Video Compression		H.265, H.264
Video Streaming		Stream 1 from H.265 or H.264 Stream 2 from H.264
Frame Rate		30 fps at 3840 x 2160 (50/60 Hz) <i>*The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).</i>
Image Setting		Brightness, Contrast, Saturation, Sharpness, White Balance, Flicker-less, Image Orientation, D/N Sensitivity, WDR, Defog, Metering
Audio Compression		G.711, AAC
Audio Support		One-way Audio
Sensor Input		1 Input (Dry Contact)
Alarm Output		1 Digital Output (200 mA 5V DC)
Optical Lens		
Megapixel		Yes
Day/Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		1.05 mm
Maximum Aperture		F/2.25
Mount		M12
Horizontal FOV		360°
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
IR LED Quantity		4 IR LEDs
Max. IR Distance		10 m (32 ft)
Video Resolution		
Main Stream		3840 x 2160 (Default), 2560 x 1440, 1920 x 1080, 1280 x 720
Sub Stream	16:9	Closed (Default), 3840 x 2160, 2560 x 1440, 1920 x 1080, 1280 x 720
Network		
Interface		10/100 Ethernet
Protocol		DHCP, DNS, DynDNS, HTTP, HTTPS, IPv4, NTP, ONVIF (Profile S), RTSP, SMTP, TCP/IP, UDP
Mechanical		
Temperature Detector		N/A
Connectors	Power	DC 12V, 1.25A, DC Jack / PoE
	Ethernet	10/100 Base-T, RJ-45 Connector
	Audio	1 in (built-in or external microphone)
	Digital I/O	I/O wires
	Local Storage	N/A
General		
Environment	Start-up	-20°C ~ 50°C (-4°F ~ 122°F)
Temperature	Operation	-30°C ~ 50°C (-22°F ~ 122°F)
Humidity		10% ~ 90% (no condensation)
Power Source		DC 12V / PoE (PoE+, IEEE 802.3at)
Max. Power Consumption		12 W
Regulatory		CE, FCC, LVD, RCM compliant
Dimensions (Straight Tube Mount)		Ø 164 x 64 x 45.2 mm (6.46" x 2.52" x 1.78")
Weight		0.58 kg (1.28 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing

Note:

1. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
2. H.265 video codec is not supported for YouTube streaming.
3. Product design and specifications are subject to change without notice.